Case 09-14814-gwz Doc 1232-13 Entered 08/13/10 14:10:34 Page 1 of 30 IMPROVEMENT PLANS FOR RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH** PHASE 1 MASS GRADING

TRACT#

A PORTION OF SECTION 27. TOWNSHIP 21 NORTH, RANGE 18 WEST. GILA AND SALT RIVER MERIDIAN. MOHAVE COUNTY, ARIZONA

ENGINEERS ESTIMATED QUANTITIES

STREETS

| ITEM | QUANTITY | AREA 1 | QUANTITY | AREA 2 | QUANTITY | AREA 3 | TOTAL | |
|------------------------|----------|--------|----------|--------|----------|--------|---------|------|
| A.G. PAVEMENT | 128,330 | | 155,380 | | 114,700 | | 398,410 | |
| TYPE II ACCRECATE BASE | 144,750 | | 179,410 | | 139,950 | | 464,110 | |
| ROLL CURB | 86,530 | | | LF. | | LF | 211,000 | |
| A CURB | D | LF. | D- | UF . | 3,450 | LF | 3,450 | UF . |
| L CURB | 0 | LF | G- | LF. | 4,060 | LF | 4,060 | LF |
| SIDEWALK | 156,800 | SF | 184,110 | SF | 133,160 | SF | 474,070 | SF |
| VALLEY GUTTER | 21,10D | SF | 18,740 | SF | 19,240 | SF. | 57,080 | SF |

GRADING QUANTITIES

| ITEM | CUT (GY) | FILL (CY) | NET (GY) |
|-------------|-----------|-----------|-------------|
| DOLF COURSE | 1,744,100 | 203,200 | 1,540,90D C |
| AREA 1 | 66,500 | 641,400 | 554,900 F |
| AREA 2 | 102,400 | 724,800 | 822,20D F |
| AREA 3 | 360,400 | 393,400 | 33,000 F |
| AREA 5/6 | 9.500 | 465,000 | 455,50D F |
| TOTALE | 2 202 000 | 2 422 800 | 124 205 E |

STORM DRAIN

| TIEM | IDIAL | |
|----------------------|-------|-----|
| 27" RCP STORM DRAIN | 1,227 | £ |
| 30" RCP STORM DRAIN | 755 | LF |
| 48" RCP STORM DRAIN | 1,539 | LF. |
| 54" RCP STDRM DRAIN | 1,483 | LF |
| 4X4 RC9 STORM DRAIN | 230 | LF |
| 5X4 RCB STORM DRAIN | 329 | LF |
| STORM DRAIN MANHOLES | 20 | EΔ |

NOTES: 1. QUANTITIES SHOWN ARE APPROXIMATIONS ONLY.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR
CALCULATING THE EXACT QUANTITIES.
2. FILL QUANTITIES ADJUSTED FOR A SHRINKAGE
FACTOR OF B.S.W.

LAND USE INFORMATION

| | AREA 1 | AREA 2 | AREA 3 |
|-------------------------|--------------------|--------------------|--------------------|
| FLOOD ZONE DESIGNATION; | FEMA-C,A | FEMA-C,A | FEMA-C,A |
| TOTAL ACREAGE: | 189.02 ACRES | 207.33 ACRES | 212.66 ACRES |
| TOTAL LOTS: | 886 UNITS | 824 UNITS | 413 UNITS |
| AVERAGE LOT SIZE: | 7,897 S.F. | B,573 S.F. | 18,975 S.F. |
| MINIMUM LOT SIZE: | 5.499 S.F. | 4.899 S.F. | 11.249 S.F. |
| DENSITY: | 4.8 D.U./ACRE | 3.97 D.U./ACRE | 1.94 D.U./ACRE |
| LAND USAGE AND ZONING: | | | |
| CURRENT LAND USAGE: | VACANT | VACANT | VACANT |
| PROPOSED LAND USAGE: | SINGLE FAMILY RES. | SINGLE FAMILY RES. | SINGLE FAMILY RES. |
| PROPOSED ZONING | MASTER PLAN | MASTER PLAN | MASTER PLAN |
| COMMON FLEMENT | 5.27 ACRES | 7.76 ACRES | 3.06 ACRES |
| PARK, DRAINAGE AREAS | | | |

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PROJECT SITE

VICINITY MAP

SHEET INDEX

| SHEET NO. | DWG NO. | DRAWING TITLE |
|-----------|-------------------|-------------------------------------|
| 1 | C1 | COVER SHEET |
| 2 | NOTES | GENERAL NOTES, ABBREMATIONS, LEGEND |
| 3 | K1 | DVERALL KEY MAP |
| 4-8 | DT1 TO DT5 | DETAILS |
| 9-32 | A1-GR1 TO A1-GR24 | AREA 1 GRADING PLANS |
| 33-83 | A2-GR1 TO A2-GR31 | AREA 2 GRADING PLANS |
| 64-8B | A3-GR1 TD A3-GR25 | AREA 3 GRADING PLANS |
| B9-94 | NG-GR1 TD MG-GR6 | AREA 5/6 MASS GRADING PLANS |

OWNER

SOUTH DAKOTA CONSERVANCY ILC 4730 S. FORT APACHE RD SUITE 300 LAS VEGAS, NEVADA 89147 (202) 873-5538

DEVELOPER

RHODES HOMES ARIZONA, LLC 2215 HUALAPAI MTN. RD. SUITE H KINGMAN, ARIZONA 86401 (928) 718-2210

ENGINEER / SURVEYOR

STANLEY CONSULTANTS, INC 5820 S. EASTERN AVENUE SUITE 200 LAS VEGAS, NEVADA B9119 (702) 369-9396

BASIS OF BEARINGS

NORTH OCT 3'35" EAST — THE WEST LINE OF THE MORTHWEST GUARTER (WW 1/4) OF SECTION 10.7 TOWNSHIP 20 MORTH, RANGE OF MESS GARDEN SHAPE MERCHAN, MORTH COUNTY SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FF), UTILIZING FAST STATIC GOSFERVATIONS PROCESSED BY MISS-OPUS.

M.C.S.O. "SD 35" = LATITUDE 35'09'22.43032"N, LONGITUDE 114'10'58.56309"W (NAD '83) HEIGHT 2468.568241ft (NAVO'68)

BENCHMARK

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE

CONTRACTOR'S NOTE

SOURCE OF TOPOGRAPHY

DUSTING GROUND TOPOGRAPHY WAS EDVELOPED FROM TWO SOURCES .

"MEMAYE DURINGERING AND ASSOCIATES, INC (AERIAL — 2 CONTINUES); DATED 12/21/D4 .

10 MEMAYE DURINGERING AND ASSOCIATES, INC (AERIAL — 2 CONTINUES); DATED 12/21/D4 .

11 MEMAYE SWIPEN SWIPE CODE ON INFO 29 AND INFO 29 CONTINUES OF PASSING SUFFICE CENTRODES A DISTANCE OF 2.546 FT BASED ON INGS—GRUS SOLUTIONS OF FAST STATIC SWIPEN COUNTY CONTINUE OPINIT SO 3.0 SWIPEN ON INGS—GRUS SOLUTIONS OF FAST STATIC SWIPEN COUNTY CONTINUE OPINIT SO 3.0

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05



CALE (H) NC SOALE (V) N DRAWN BY (CHECKED BY



PHASE 1 MASS GRADING PLAN COVER

C₁ DF 94 SHEETS

DISCLAIMER NOTE

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DEFAILS, AND DTHER DOUNTY ADDITION STANDARDS, UNLESS DIFFLEWISE APPROVED BY THE COUNTY PROMINER, OR UNLESS APPROVED AS A PETITION OF EXCEPTION BY HEARING OF THE PLANNING AND ZOMING COUNTSION MEDIANSISM AND THE GOARD OF SUPERVISIONES.
- 2. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER HE OWNERSHIP OR CONTROL.
 INSPECTION, OF ALL CONSTRUCTION ACCURITIES PERFORMED WITHIN THE COUNTY OF RIGHT-OF-WAY. THE CONTROL SHALL RIGHTY THE COUNTY BY A COUNTREY CALL PRIOR TO EMPLOYANCE DESIGNATION ACCOUNTS WITHIN THE WAY.
- 3. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH
- IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS (AS-BUILTS), INGLIDING ALL TEST RESULTS, HAVE BEEN SUBMITTED AND ACCEPTED BY THE DOLINTY.
- 8. DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED , DISTRIBERD, OR CONTRICTED OTHER THAN AS SHOWN ON THIS DEVELOPMENT PLAY
- B. ANY RELOCATION, MODIFICATION, ECT., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.
- THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-B00-STAKE-IT), BEFORE DIGGING.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADDPTED AND MODIFIED BY MOHAVE COUNTY.
- DELETERIOUS MATERIAL AS DEEMED UNSUITABLE BY THE SOLLS ENGINEER FOR USE AS COMPACTED FILL SHALL BE EXCAVATED AND REMOVED FROM THE SITE.
- 12. WHERE SOL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND GRIPM'S LETTER PROVE THE DIWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS AND FEMILIES OF THE GOLDENING JURISDICTION.
- ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (NUTCO), LATEST EDITION.
- 14. EXCEPT FOR THE WORK PREFORMED LADER THE TERMS OF A FRANCHISE, OR WORK PREFORMED BY A GOVERNMENTHA. AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSLENDED THAT ALL WORK IS INSPECTED AND TESTED BY OR UNIOR THE ORDER SUPPRISON OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VAILD REGISTRATION IN THE STATE OF ARECOMA.
- THE CONTRACTOR SHALL NOT GRADE ANY PARCELS WITH OUTSIDE PRIVATE DIMERSHIP UNTIL PERMISSION TO GRADE HAS BEEN GRANTED BY THE PROPERTY DIMERSHIP UNTIL PERMISSION TO GRADE HAS BEEN GRANTED BY THE PROPERTY
- THE CONTRACTOR SHALL NOT GRADE ANY ARMY CORPS OF ENGINEERS (ACOE) 404 DESIGNATED WASHES UNTIL 404 PERMIT APPROVAL HAS BEEN CRANTED.
- 16. ALL EXCAVATION AND GRADING OPERATIONS CONDUCTED WITHIN THE BOUNTY LIMITS SHALL CONTROL DUST BY WATERING. THE CONTRACTOR SHALL GOTAIN ALL NECESSARY DUST CONTROL PERMIT OF THE PROPERTY OF THE PROPERTY

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND UNIFORM STANDARD STRUCTION BY THE WINDOWS ASSOCIATION OF DODGROWNOTHS (M.A.C.), AND IN ACCORDANCE WITH AREZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 9, TOGETHER WITH HEESE PLANS.
- 3. WATER/SEMES SPARATION INCLUDING SERVICE LINES WITHIN THE RIGHT-DY-WAY SHALL MEET THE REQUIREMENTS OF MAG STANDARD DETAILS 40-1 AND 181-0-850C (LATEST RANDON), SPARATION DETAILS 40-1 AND 181-0-800TAL.

 4. CONTRACTOR SHALL ACQUIRE & PRY FOR ALL NECESSARY SPEMITS.
- 5. SEWER MAIN PIPE AND SERVICE SHALL BE P.V.C. SDR-35, MEETING THE REQUIREMENTS OF A.S. IM. 3034 AND MAG SECTION 745. INSTALLATION SHALL BE IN ACCORDANCE WITH A.S.T.M. STANDARD SPECIFICATIONS 0.23
- 6. REQUIRED MANHOLES SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 420.
- 7. TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.C. STANDARD SPECIFICATION NO. 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
- 8. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200
- 9. ALL MANHOLE FRAME AND COVER GRADE ADJUSTMENTS REQUIRED SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 422. SHAPING OF ALL SEWER MANHOLE BOTTOMS SHALL BE PER M.A.G. STANDARD SPECIFICATIONS NO. 825.3.1.
- 11. ALL MANDLES AND DIPP TERPS CONSECTIONS SHALL BE CONSTRUCTED AS EXAMED BY MAG. SCRIPE 625. FOR MARHUES THAT HAVE AN LEGATION BODG BETWEEN HALT AND DESIGN THE MARHUE FLOOR A CONSIDER FULL TOWNING FROM THE SIDE OF THE MANDLE FOR CONTENT SIDE WHICH SHALL HAVE A SLOPE AND THE MARHUE FOR THE CONTENT SIDE WHICH SHALL HAVE A SLOPE AND THE MARHUE FOR THE CONTENT SIDE WHICH SHALL HAVE A SLOPE AND THE MARHUE FOR THE CONTENT SIDE WHICH SHALL HAVE A SLOPE AND THE MARHUE FOR THE CONTENT SIDE WHICH SHALL HAVE A SLOPE AND THE MARHUE THE SIDE OF THE SIDE OF
- 12. ALL SEWER SERVICE GONNECTIONS SHALL MEET THE REQUIREMENTS M.A.G. STANDARD DETAIL NO. 440, TYPE A. NOTE: SEWER SERVICE CROSSING OF WATER MAIN WITHIN THE RIGHT OF WAY MAY REQUIR PROTECTION PER MAS STD. DET. 404.
- 13. SEWER CLEANOUT SHALL MEET THE REQUIREMENTS OF M.A.C. STANDARD DETAIL NO. 441.
- 14. MINIMUM DEPTH OF COVER TO THE TOP OF SEWER PIPE SHALL NOT BE LESS THAN 3 FEET.
- 15. UTILITY FACULTIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTION AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED AITH THE DANGER OF THE UTILITY TO PREVENT ANY UNRECESSARY INTERPUPTION OF SERVICE.

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND
 "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION"
 SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF
- 2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AND AUGUST THE LOCATIONS AS SHOWN ARE APPLY
 THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING
 UTILITIES AND BUFIED CAPIES PRIOR TO COMMENCEMENT OF ANY
 CONSTRUCTION BY CALLING:
 BLUE STAKE

 1-800-STAKE-IT
- AT LEAST 2 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR LIMITIES & SERVECTINES.
- 3. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
- WATER MAIN SHALL BE PVC PIPE CLASS 150, MEETING THE RECOUREMENTS OF A.W.W.A. C-90D. WATER SERVICE MATERIAL SHALL MEET THE REQUIREMENTS OF N.A.G. STANDARDS SPECIFICATIONS SECTION 755.
- 5. WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENDINEERING BULLETIN NO. B.
- 6. WATER/SEMER SEPARATION SHALL MEET THE REQUIREMENTS OF RIG-4-502C (LATEST REMISION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL.
- CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 390, TYPE "A", AS AMENDED BY THE CITY OF KINGMAN.
- 10. ALL THRUST BLOCKING FOR WATER LINES SHALL MEET THE REQUIREMENTS OF MAIG STANDARD DETAIL NO. 38D.

- ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTIO B30. AND M.A.G. STANDARD DETAIL NO. 304.
- WATER METER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310, AND WATER METER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320.

- 18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELIDIATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE GOODDINATED WITH THE GWORF OF THE UTILITY TO

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "LINIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTINUED BY THE MARICOPA ASSOCIATION OF COVERNMENTS (M.A.C.), UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL DENSITY REQUIREMENTS FOR STREETS SHALL MEET THE REQUIREMENTS OF M.A.G. SPEDIFICATION 301 AND M.A.G. SPECIFICATION BOT FOR ALL WATER AND SEWER TRENCHES. COMPACTION DENSITIES SHALL BE USIT FROM THE SURFACE TO 2' BELOW SURFACE.

- 3. ALL BACKFILL, PAYEMENT AND SURFACE REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 200-1 AND M.A.G STANDARD SPECIFICATION SECTION 338. ALL TRENCHES SHALL MEET OSHA REQUIREMENTS.
- GONG RECUIREMENTS.

 ROADWAY EXCAVATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 205; M.A.G. SPECIFICATION 225 FOR WATERING AND M.A.G. STANDARD SPECIFICATION 314 FOR SHIRTSAND PREPARATION.
- 5. CONTRACTOR SHALL REPLACE ANY INADEQUATE SUBGRADE MATERIAL WITH APPROPRIATE RACKELL AS DIRECTED BY THE PROJECT ENGINEER
- 6. ALL STREET ADGREGATE BASE SHALL MEET THE REQUIREMENTS OF
- ALL ASPHALT CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 321.
- 8. FOG SEAL SHALL MEET M.A.G. STANDARDS SECTION 333.
- CONCRETE CURB AND GUTTER SHALL MEET THE REQUIREMENTS OF M.A.B. STANDARD DETAIL 220.
- D. SIDEWALKS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO.230 & SHALL CONFORM WITH M.A.G. SPECIFICATION 340.
- 11. ALL POURED CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF M.A.C. STD SPECIFICATIONS, SECTION 505.
- THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF MCCESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE.
- 13. THE PAYMIC CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENT AND PLACEMENT OF CONCRETE COLLARS, FRAMES, COVERS, AND VALVE BOXES AS NECESSARY FOR A COMPLETE JOB AS APPROVED BY THE COUNTY FINDIFFE.
- 14. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED & APPROVED UNDER THIS PROPOSED PAVED AREA.
- 15. BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE COUNTY ENGINEER.
- NO JOB SHALL BE CONSIDERED COMPLETED UNTIL CURBS, PAVENENTS AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS; AND SUPPLY MODULENTS APE INSTALLED.
- THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED BY THE CONTRACTOR AND MADE AVAILABLE TO THE COLUMNY.
- UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS V SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PREVENT ANY UNINCESSARY INTERRUPTION OF SERVICE.
- EXISTING STREET AND TRAFFIC SIONS WILL BE MAINTAINED DURING CONSTRUCTION AND RELICATED BY THE CONTRACTOR AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- . THE GENERAL CONTRACTOR SHALL BE REPONSIBLE FOR ALL NEW TRAFFIC CONTROL SIGNS AND MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEWICES (MUTCO).

STORM WATER POLLUTION PREVENTION PLAN

DATED SEPTEMBER, 2005 AND PREPARED BY: STANLEY CONSULTANTS, INC. 5820 S. EASTERN AVE., SUITE 200 LAS VERSAS NV 89119 (702) 369-9396

SITE GRADING

ALL CONSTRUCTION SHALL CONFORM WITH THE SOLS REPORT PREPARED BY: AMERICAN SOLS DISCINEDED TO SEPTEMBER 05
PROJECT NA: 1060-6E0

DRAINAGE REPORT

DATED APRIL 2005 AND PREPARED BY: STANLEY CONSULTANTS, INC. 5820 S. EASTERN AVE., SUITE 200 LAS VEGAS NV 89119 (702) 369-0396

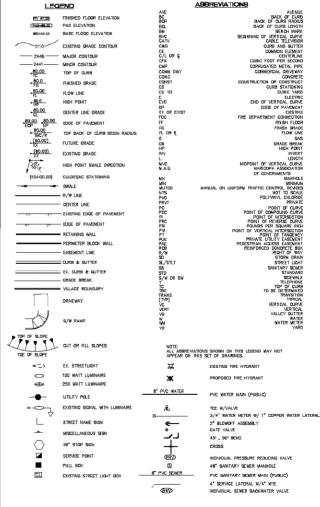
FEMA FLOOD ZONE

FEMA MAP: PANEL ND. 04005B 2325C MAP UPDATE: OCT 20, 2000

APP UPONEL OF 12 OF THE PROJECT STELLES WITHIN AN A PORTION OF THE PROJECT STELLES WITHIN AN APP ADDICATE AS A SPECIAL FLOOD HAZAWA BAREA ZOSK TA'S THE REMAINING PROTION OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE REMAINING PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR PROJECT OF THE STELL STOPPING AS A SPECIAL FOR THE STOPPING

ENGINEER'S NOTES

- I CONSTRUCTION CONTRACTOR APREES THAT IN ACCORDANCE WITH GENERALLY ACCOPTED DOWNTHLETION PRACTICES. THE CONSTRUCTION CONTRACTOR MALE REQUIRED TO ASSAM SOLI, AND COMPLETE RESYMBOLITY FOR THE JOB PROJECT, INCLUDING SAFETY OF ALL PRESSIGN AND PROPERTY, THAT THIS PROJECT, INCLUDING SAFETY OF ALL PRESSIGN AND PROPERTY, THAT THIS PROJECTION APPLYING CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL MORNING HOURS, MO THE CONSTRUCTION CONTRACTOR PROFESSIONAL HAPRIESS FORM ALL LIBRUITY, PERLO PALLESSING TO CONTRACTOR THE CONTRACTOR OF THE PROFESSIONAL HAPRIESS FORM ALL LIBRUITY, PERLO PALESSING THE CONTRACTOR AND CONTRACTOR THE PROPERTY OF THE CONTRACTOR AND CONTRACTOR THE PROPERTY OF THE CONTRACTOR THE PROPERTY OF THE CONTRACTOR THE CONTRACTOR THE PROPERTY OF THE CONTRACTOR THE PERLO CONTRACTOR AND THE PROJECT EXCEPTION CONTRACTOR THE CONTRACTOR T
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
- ADD 2400" TO ALL ELEVATIONS < 500" ON THESE DRAWINGS TO GET ACTUAL ELEVATION.
- 4. SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.
- 5. SEE GOLF COURSE PLANS BY TED ROBINSON FOR BOLF COURSE GRADING.



DISCLAIMER NOTE UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL'
TO DETERMINE THE EXACT
HORIZONTAL AND VERTICAL
LOCATION OF ALL EXISTING
UNDERGROUND OR OVER—
HEAD UTILITIES PRIOR TO
COMMENCING CONSTRUCTION. COMMENCING CONSTRUCTION ON REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO PESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



Andid sourband power fine comfact. Call before you Overhead -978-753-5591 PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10/18/05









(E) (E) (E) (E) , 200 5820 S. Ecatern Avenue, Suite 2 Los Veges, Herodo 89119 (702) 358—9346 Fox (702) 359

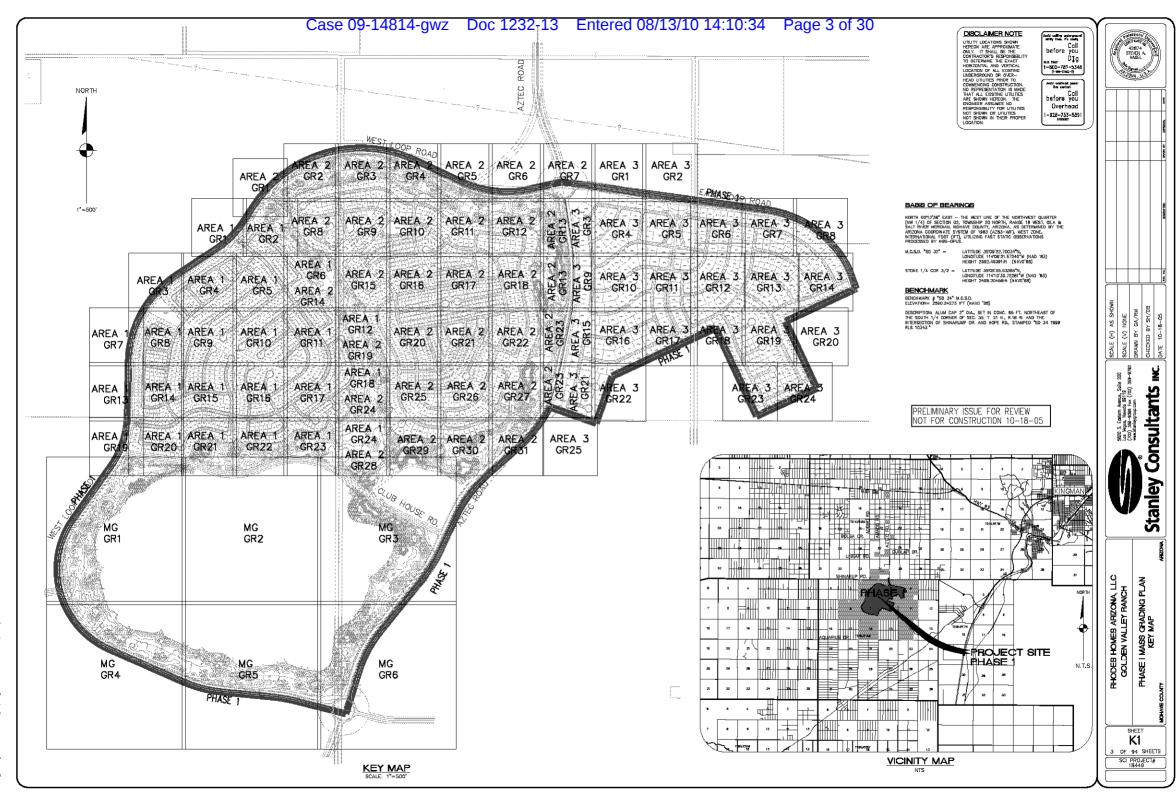


ZONA, LLC 'PANCH

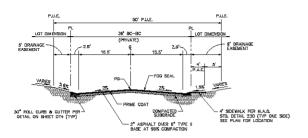
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NOTES

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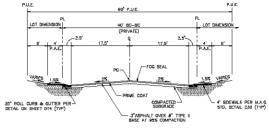
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NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE

10° COMMON 65' BC-BC (PRIVATE) 0.5 VARIES TYPE A CURB PER -- COMPACTED SUBGRADE COMPACTED SUBGRADE * LANDSCAPING BY DEVELOPER MAINTAINED BY HOS - 5" MEANDERING PER SIDEWALK PER M.A.G. STD. DETAIL 230 (TYP ONE SIDE) SEE PLAN FOR LOCATION

NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

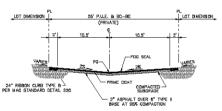


NOTE: RINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

TYPICAL LOCAL STREET SECTION PRIVATE / PRIVATE UTILITY EASEMENT

TYPICAL AREA 2 ENTRY STREET SECTION PRIVATE / PRIVATE UTILITY EASEMENT

TYPICAL COLLECTOR STREET SECTION PRIVATE / PRIVATE UTILITY EASEMENT



NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

TYPICAL ALLEY STREET SECTION

PRIVATE / PRIVATE UTILITY EASEMENT

DISCLAIMER NOTE

DISCLAMEN NOTE

UITLITY LOCATIONS SHOWN

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COUTRACTOR'S RESWARD

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before you

Amid overhead power fire examples.

before you

Overhead

1-928-753-5591

Dĩg 107 57047 DIG 1-800-782-5348 (1-800-8948-8)

70' P.U.E. & BC-BC (PRIVATE) ____ C.E./P.U.E * CE/PLLE* FOG SEAL-VARIES 1.5% 3" ASPHALT OVER B" TYPE BASE AT 95% COMPACTION NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

LDT DINENSIGN 20° COMMON ELEMENT * 20' COMMON ELEMENT* LOT DIMENSION TYPE A CURB PER M.A.G.-STD. DTL. 222 (TYP) 4" SIDEWALK PER M.A.B. -STO. DETAIL 230 (TYP) 3" ASPHALT OVER 8" TYPE BASE AT 95% COMPACTION PRIME COAT (TYP) TYPE L CURB AND GUTTER PER M.A.G. STD. DTL. 220 (TYP) NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SURGRADE MATERIALS AND TRAFFIC INFORMATION.

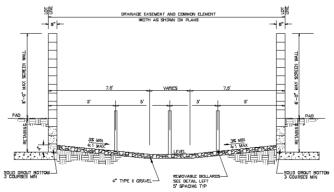
TYPICAL AREA 3 ENTRY STREET SECTION

P.U.E.

TYPICAL AREA 3 COLLECTOR STREET SECTION PRIVATE / PRIVATE UTILITY EASEMENT N.T.S.

-SET 4" I.D. STEEL

REMOVABLE BOLLARD DETAIL



G DRAINAGE EASEMENT

TO BE PRIVATELY MAINTAINED

ALL CONSTRUCTION SHALL CONFORM WITH THE SOLIS REPORT PREPARED BY: AMERICAN SOLIS ENGINEERING, LLC. DATED: 12 SEPTEMBER 05 PROJECT No.: 1060-GEO

GEOTECHNICAL NOTE:

BASIS OF BEARINGS NORTH 0013'38" EAST — THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) DF SECTION 02, TOWNSHIP 2D NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MCHANE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA CORDINATE SYSTEM DF 1883 (AZB3-WHF), WEST ZONE,

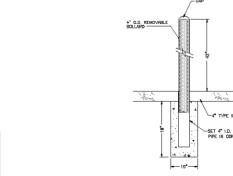
LATITUDE 35'08'55.53385"N, LONGTUDE 11410'30.72281"W (NAD '83) HEIGHT 2498.20458IR (NAVD'88)

BENCHMARK

BENCHMARK # "50 34" M.C.S.D. BLEVATION= 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN DONC. 65 FT. NORTHEAST DF THE SOUTH 1/4 CORNER OF SEC. 36, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1988

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05







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BY SH/DB

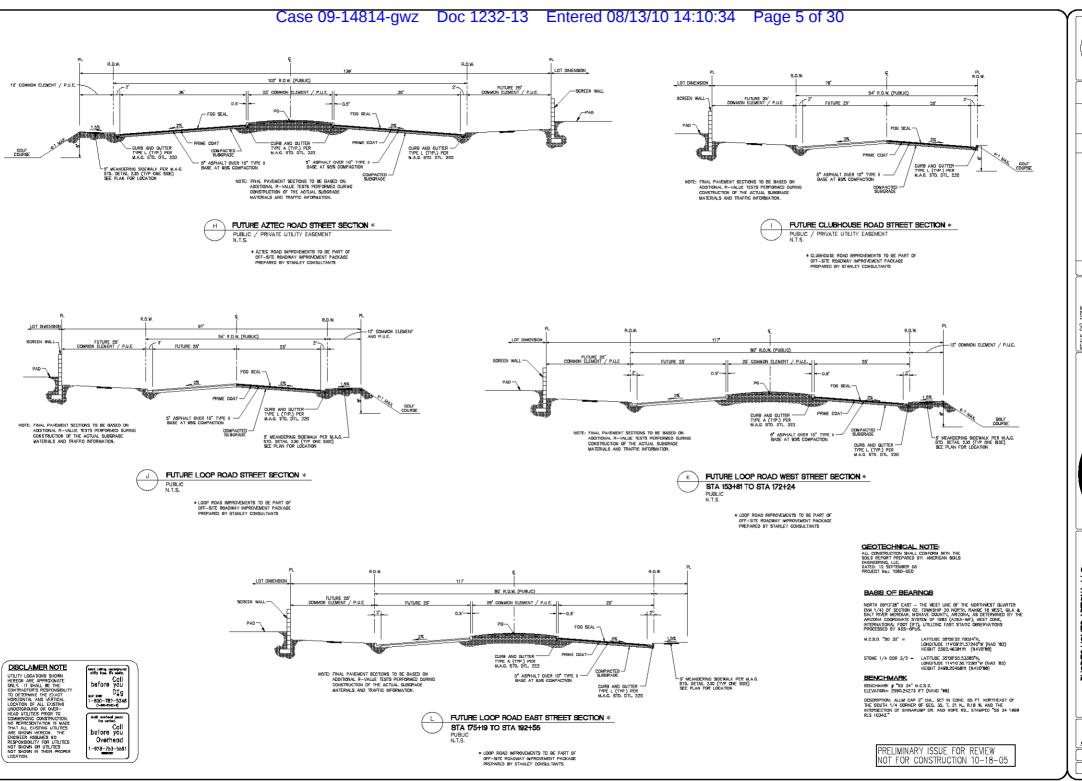
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5820 S. Eosten Avenue, Suite 200 Los Vegas, Nevada 89119 (702), 369-9396 Fax (702) 369-91 mm. Stanley (90p.com

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Consultants

RHODES HOMES ARZONA, LLC GOLDEN VALLEY RANCH PHASE I MASS GRADING PLAN DETALS



) NONE
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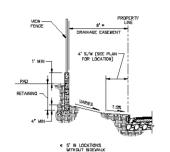


RHODES HOMES ARZONA, LLC GOLDEN VALLEY RANCH Z GRADING F

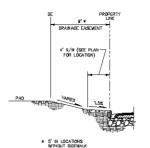
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DT2 OF 94 SHEETS

SCI PROJECT# 18449

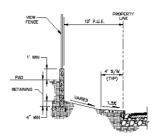


SIDE YARD CORNER LOT SECTION WITH RETAINING

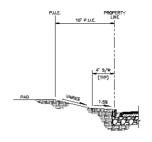


SIDE YARD CORNER LOT SECTION

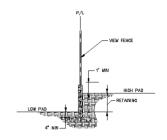
NO RETAINING



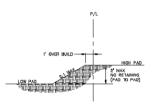
SIDE YARD CORNER LOT SECTION AT COLLECTOR WITH RETAINING



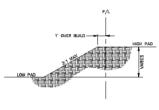
SIDE YARD CORNER LOT SECTION AT COLLECTOR - NO RETAINING



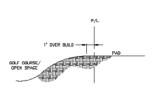
REAR / SIDE YARD SECTION WITH RETAINING N.T.S.



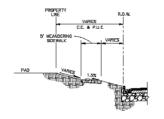
SIDE YARD SECTION - NO RETAINING



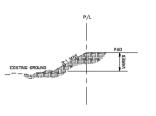
REAR YARD SECTION WITH SCARP N.T.S.



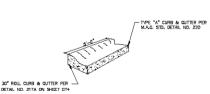
REAR YARD SECTION AT GOLF COURSE / OPEN SPACE



REAR YARD SECTION AT PERIMETER STREET N.T.S.



REAR YARD SECTION AT PERIMETER BOUNDARY



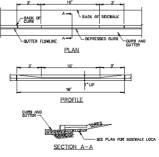
TRANSITION FROM TYPE 'A' CURB TO ROLL CURB AND GUTTER NTS

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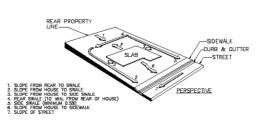
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25' MIN BUILDING 5 MIN 20' MIN ~4' SIDEWALK (ONE SIDE) -BACK OF CURB * SIDE SETBACK TO BE 15' FOR CORNER LOT

TYPICAL SETBACKS FOR ALL LOTS NTS



CURB CUT FOR DRAINAGE



TYPICAL LOT GRADING

GEOTECHNICAL NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY: AMERICAN SOILS ENGINEERING LLC

BASIS OF BEARINGS

NORTH O'TO'S' FAST: THE WEST LINE OF THE NORTHWEST GUARTER (WHE') IF SECTION DO. TOWNSHIP OF MERTY, RANGE IN WEST, GLAZ A GREEN, CONTROL OF THE ARCOLD OCCORDINATE SYSTEM OF 1983 (AZSIA-MY, MEST ZONE, METALATIONAL POOT (FT.), UNLIGHE FAST STATIC DESERVATIONS PROCESSED BY MCS-OPUS.

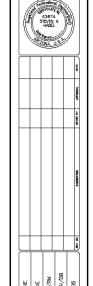
N.C.S.D. "50 32" -LATITUDE 35'09'22.70034"N, LONGITUDE 114'09'21.57240"W (NAD '83) HEIGHT 2562.46391ft (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35'08'55.53385"N, LONGITUDE 11410'30.72281"W (NAU '83) HEIGHT 2498.2045891 (NAVD'88)

BENCHMARK

BENCHNARK # "SD 34" M.C.S.D. ELEVATION = 2590.24273 IFT (NAVD '88)

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05



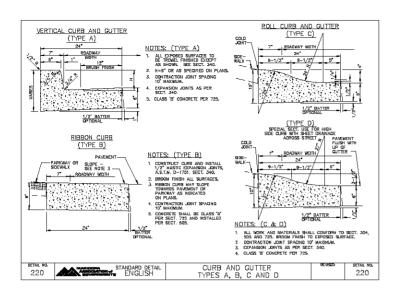
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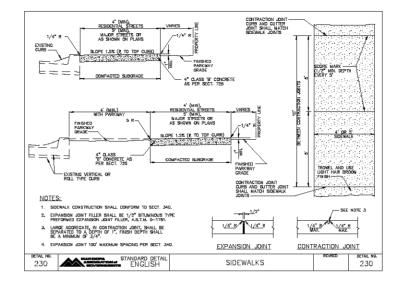


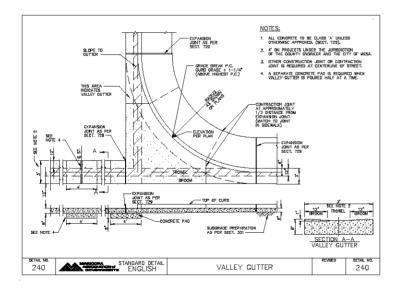
PHODES HOMES APZONA, LLC GOLDEN VALLEY RANCH PHASE I MASS GRADING PLAN DETALS

DT3

Case 09-14814-gwz Doc 1232-13 Entered 08/13/10 14:10:34







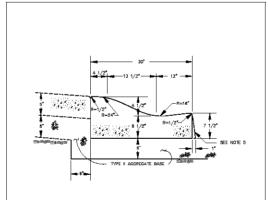
DISCLAIMER NOTE

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Call befare you Dig Dig 1-800-787-5348 (1-80-382-1) Areid everland power fee control. before you Overhead 1-926-753-5591

Analti suffing emberground utility lines, it's confe.



- 1. USE OF ROLL CURB MAY BE RESTRICTED BY SURFACE DRAINAGE CONSIDERATIONS.
- 2. SIDEWALK CONSTRUCTED CONTIQUOUS TO ROLL CURB SHALL BE 5 INCHES THICK (MIN). 3. WHERE LONGITUDINAL SLOPE IS LESS THAN 0.4% THE FLOW LINE SHALL BE WATER TESTED.
- 4. CONSTRUCT 1/2" EXPANSION JOINT AT ALL COLD JOINTS, AT BEGINNING AND END OF CURB RETURNS, AND AT 300 FT. MAX. INTERVALS FOR EXTRUDED CURB AND 30 FT. MAX. INTERVALS FOR FORMED CURB WEAKENED PLANE JOINTS SHALL BE FORMED AT THE REMAINING 15 FT, INTERVALS. SEE STD, DWG.
- NO. 234 FOR JOINT DETAILS.

 5. DNE INCH BATTER AT CURB FACE IS OPTIONAL
- 6, CITY OF LAS VEGAS COUNCIL APPROVAL REQUIRED FOR USE OF 30" ROLL CURB IN THE CITY OF LAS VEGAS.
- IN NORTH LAS VEGAS, ROLL CURBS ARE PROHIBITED IN AREAS WHERE FLOW LINE GRADIENT IS LESS THAN O.OF. UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
- 8. ALL LITILITY BOXES AND COVERS ADJACENT TO ROLL CURB SHALL BE HS-20 PATED "TRAFFIC BEARING" TYP

| | SPECIFICATION REFERENCE | UNI | FORM STANDARD D | | |
|-----|-------------------------|------------------|---------------------|--------------|--|
| 320 | AGGREGATE BASE | CLARK COL | INTY, LAS VEGAS , I | | |
| 501 | CONCRETE | | AND HENDERSON | | |
| 502 | CONCRETE STRUCTURES | 30" ROLL CURB | | | |
| 707 | JOINT MATERIAL | RESIDENTIAL AREA | | | |
| | | DATE 11-10-04 | DWG. NO. 217A | PAGE ND. 23A | |

GEOTECHNICAL NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE SOLS REPORT PREPARED BY: AMERICAN SOILS ENGINEERING, LLC.
DATED: 12 SEPTEMBER 05

BASIS OF BEARINGS

NORTH OO'S 38" EAST - THE WEST LINE OF THE NORTHWEST GUARTER (INV 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 16 WEST, GILLA & SALT REVIEW REFINIORAL MOHAVE COUNTY, ARISONIA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WIF), WEST ZONE,

M.C.S.D. SD 32 -

LATITUDE 35'09"22.70034"N, LDNGITUDE 114'09"21.57240"W (NAD '83) HEIGHT 2562.46391ft (NAVD'68)

STONE 1/4 COR 3/2 = LATITUDE 35'08'55.53385"N, LONGITUDE 114'10'30.72281"W (NAD '83) HEIGHT 2498.20458Ft (NAVO'88)

BENCHMARK

DESCRIPTION: ALUM CAP 2" DIA., SET IN COND. 85 FT, NORTHEAST OF THE SOLITH 1/4 CORNER OF SEC. 35, T. 21 N, R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05



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5820 S. Eosten Avenue, Suite 200 Los Vegas, Nevado 89119 (702) 899-898 Fox (702) 369-91 sew, Stonfeyn (sub.com

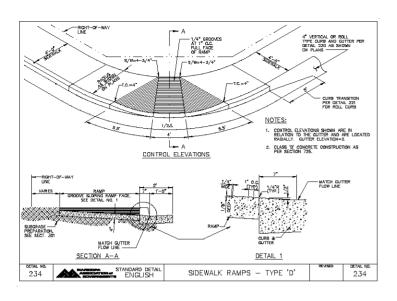


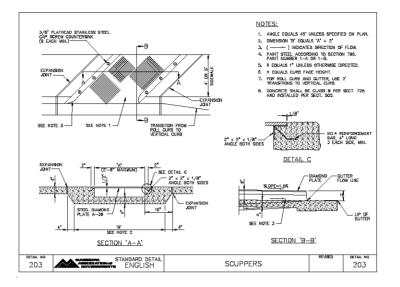
GRADING PLAN

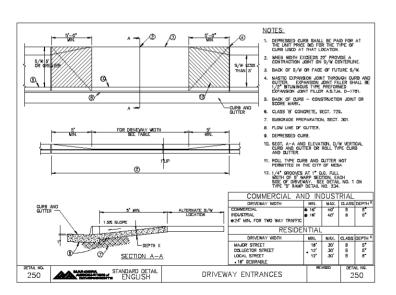
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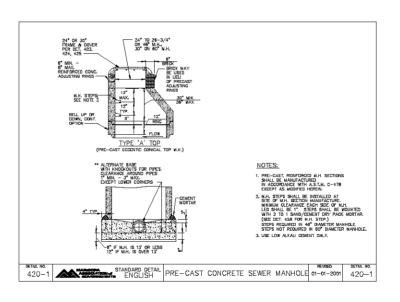
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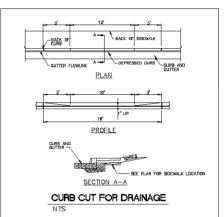
Case 09-14814-gwz Doc 1232-13 Entered 08/13/10 14:10:34 Page 8 of 30











GEOTECHNICAL NOTE: ALL CONSTRUCTION SHALL CONFORM WITH THE SOLIS REPORT PREPARED BY: AMERICAN SOLIS ENGINEERING, LLC.
DATED: 12 SEPTEMBER 06
PROJECT No.: 1060—GEO

BASIS OF BEARINGS

NORTH ODT-3'20" EAST — THE WEST LINE OF THE NORTHWAST QUARTER (NW 1/4) OF SECTION QO, TOWNSHP 20 NORTH, RANCE 10 WEST, GLA ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491), MEST 2014. BY THE ARCON COORDINATE SYSTEM OF 1933 (A223—491).

M.C.S.D. "SD 32" =

LATITUDE 35'09'22.70034"N, LONGITUDE 114'09'21.572'40"W (NAU '83) HEIGHT 2562.46391'rt (NAVD'88)

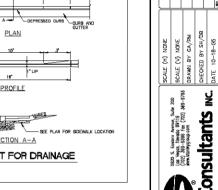
STONE 1/4 DOR 3/2 = LATITUDE 3508'S5.53385'N, LONGTUDE 11410'30.72281"W (NAD '83) HEIGHT 2498.20458Iff (NAVD'88)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION- 2590.24273 IFT (NAVD '88)

DESCRIPTION: ALLIM CAP 2" DIA., SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SCC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUAM DR. AND HOPE RD., STAMPED "30 34 1999 RLS 10343."

PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05



RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH PHASE I MASS GRADING PLAN DETALS

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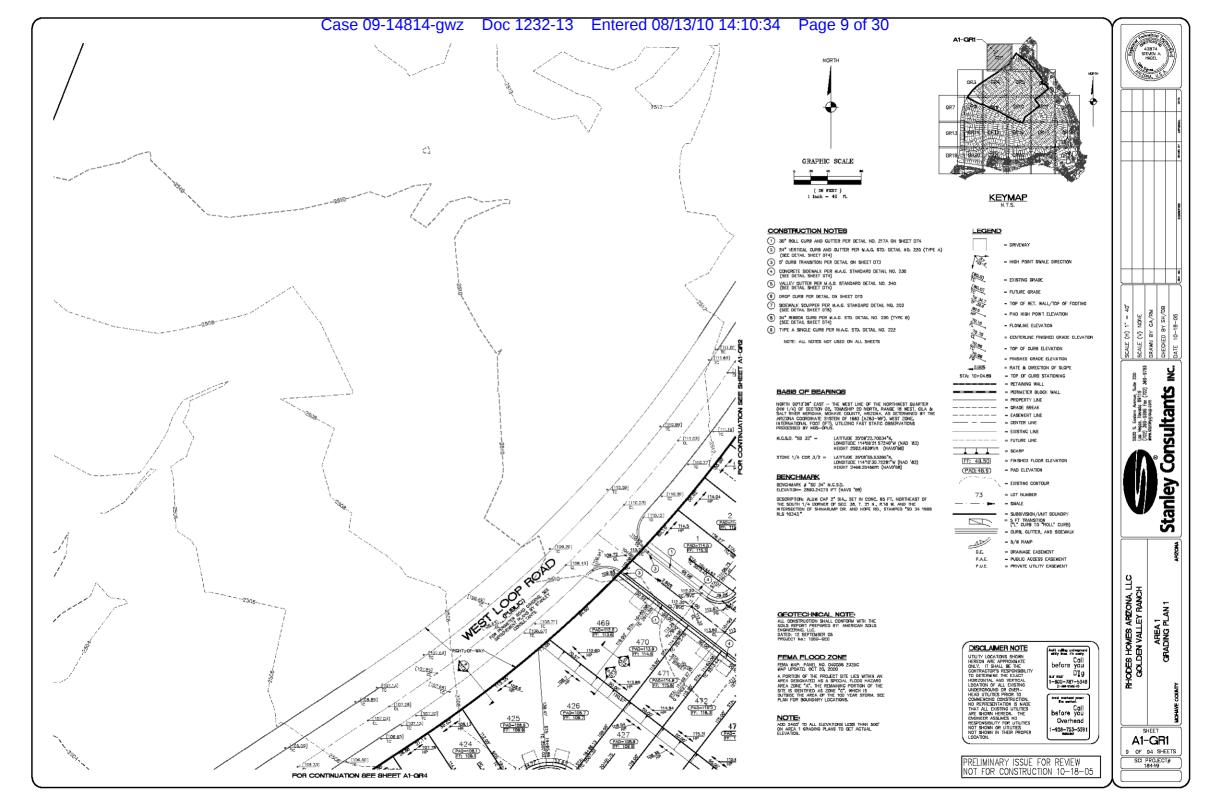
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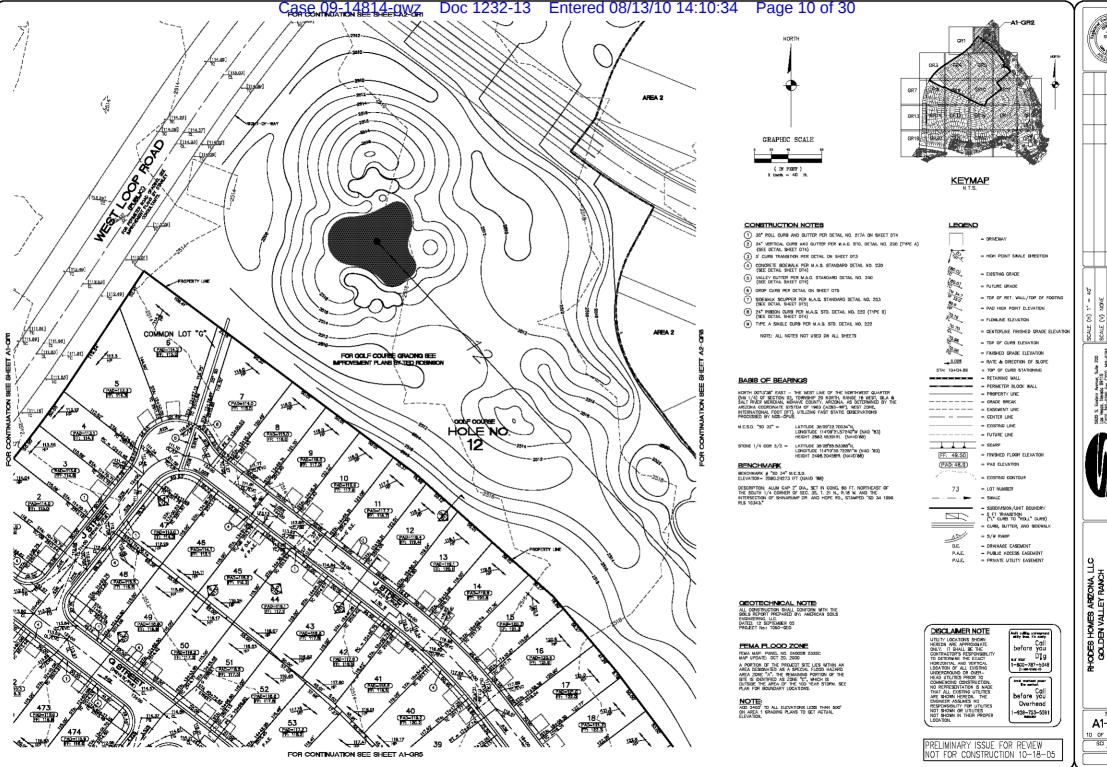
8 OF 94 SHEETS SCI PROJECT# 18449

DISCLAMER NOTE DISCLAMER NOTE
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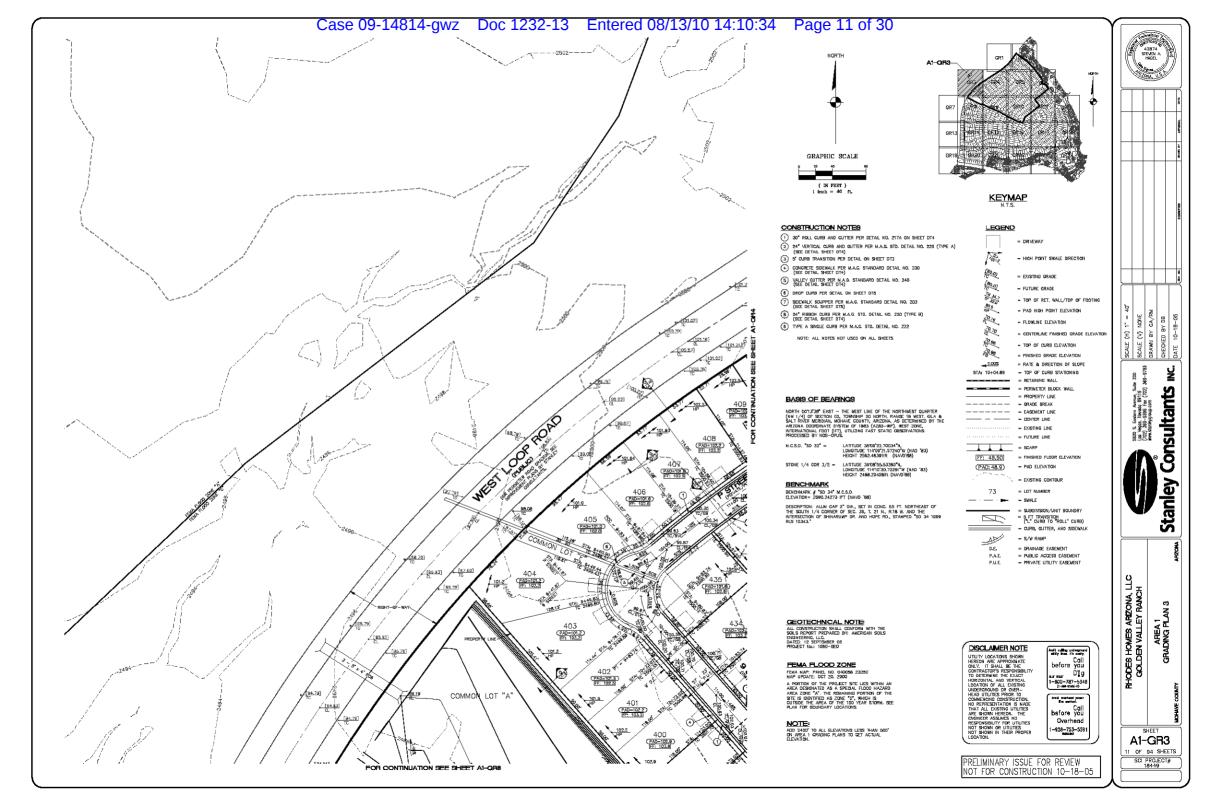


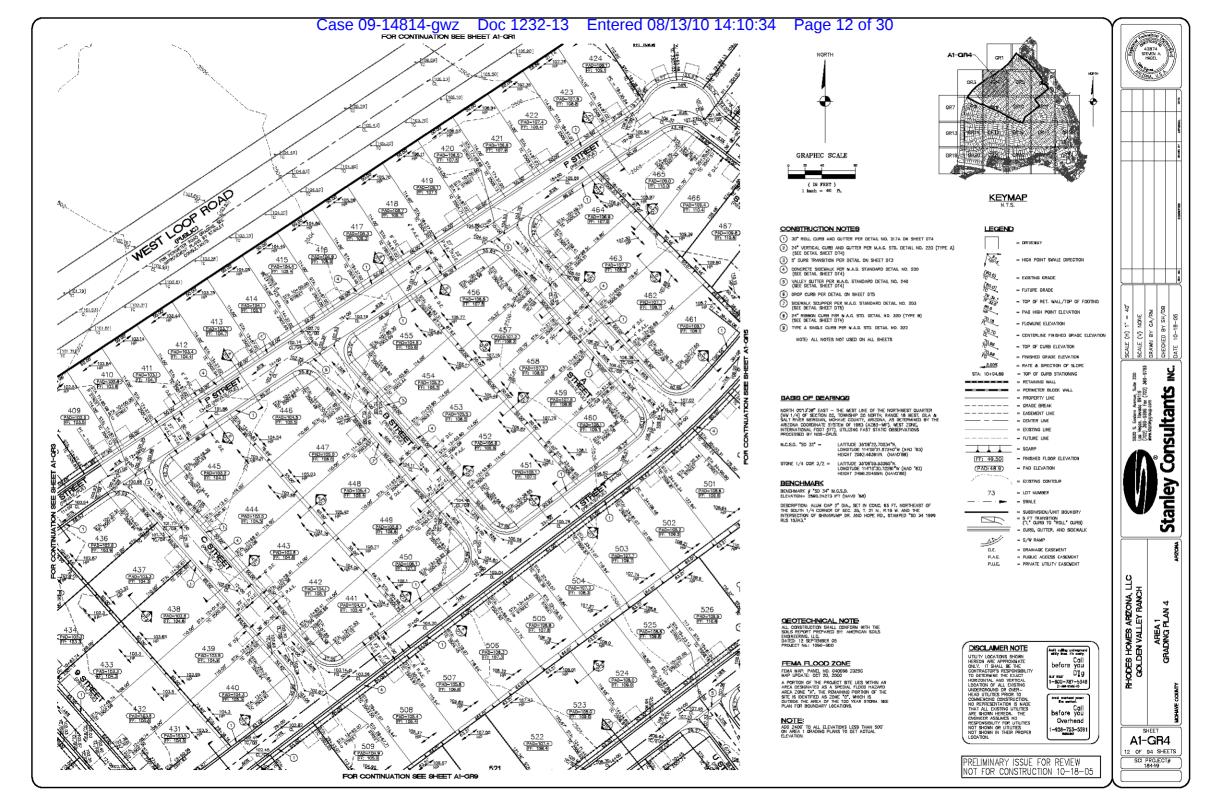
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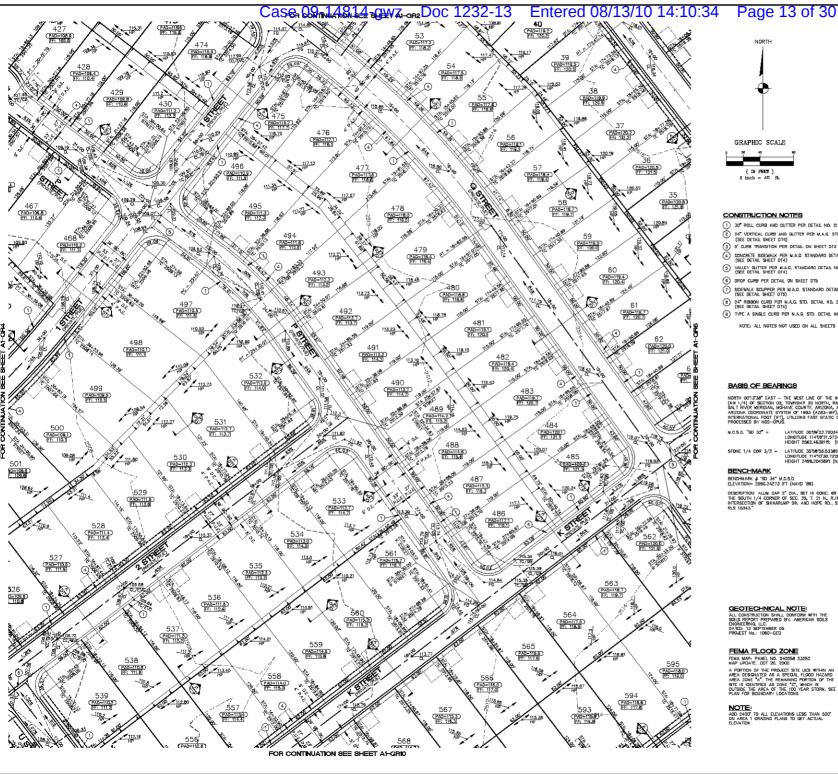
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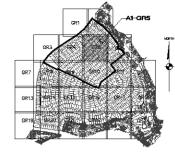
A1-GR2 10 OF 94 SHEETS SCI PROJECT# 18449











- 1) 30" ROLL CURB AND GUTTER PER DETAIL NO. 217A ON SHEET DT4
- (2) 24" VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT4)
- (3) 5" CURB TRANSITION PER DETAIL ON SHEET DT3
- (4) CONCRETE SIDEWALK PER N.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET DT4)
- (SEE DETAIL SHEET DT4)
- (SIDEWALK SCUPPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DTS)
- (B) 24° RIBBON CURB PER M.A.C. STD. DETAIL NO. 220 (TYPE B) (SEE DETAIL SHEET DT4)
- (B) TYPE A SINGLE CURB PER M.A.G. STD. DETAIL NO. 222

NORTH 0013'36" EAST — THE WEST LINE OF THE NORTHWEST QUARTER (INV 1/4) OF SECTION DO, TOWNSHIP 20 NORTH, PANGE 18 MEST, GLA & SLIT REKE REPORTM, MOHANE COMPT, ARDONA, AS SETEMBRIES BY THE MISSIAN AND ASSESSED OF THE SET OF THE SET

LATITUDE 35159'22.70D34"N, LONGITUDE 114'09'21.57240"W (NAD '83) HEIGHT 2562.463811ft (NAVD'88)

STONE 1/4 COR 3/2 - LATITUDE 35°C6'55.53385"N, LONGITUDE 11410'30.72281"W (NAU '83) HEIGHT 2498.20438ff (NAVO'88)

LEGEND

= HIGH POINT SWALE DIRECTION

= FUTURE GRADE

= FLOWLINE ELEVATION = CENTERLINE FINISHED GRADE FLEVATION

= TOP OF CURR FLEVATION

- EINIGHED CRADE ELEVATION

2.00% - RATE & DIRECTION OF SLOPE

5TA: 10+04.89

- RETAINING WALL

- PERIMETER BLOCK WALL

= PROPERTY LINE

---- = GRADE BREAK

_____ = EASEMENT LINE

- CENTER LINE = EXISTING LINE

= FUTURE LINE

FF: 49.50 = FINISHED FLOOR ELEVATION

(PAD: 48.9)

= SUBDIVISION/UNIT BOUNDRY

- 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)

- DRAINAGE EASEMENT D.E. - PUBLIC ACCESS EASEMENT P.U.E. = PRIVATE UTILITY EASEMENT

MAP DPUBLIE: DET 2U, 2000

A PORTION OF THE PROJECT SITE LIES WITHIN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ZOILE "A". THE REMAINING PORTION OF THE SITE IS IDENTIFIED AS ZOILE "A", WHICH IS OUTSIDE THE AREA OF THE 100 YEAR STORM, SEE PLAN FOR BOUNDARY LOCATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL TO DETERMINE THE EXACT TO DETERMINE THE EXACT HORZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMERCING CONSTRUCTION. ON REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO REPRESENTATION IS THE ENGINEER ASSUMES NO REPSPONDISHINGTY FOR LITTLE FROMERY OF THE PROPERTY OF TH

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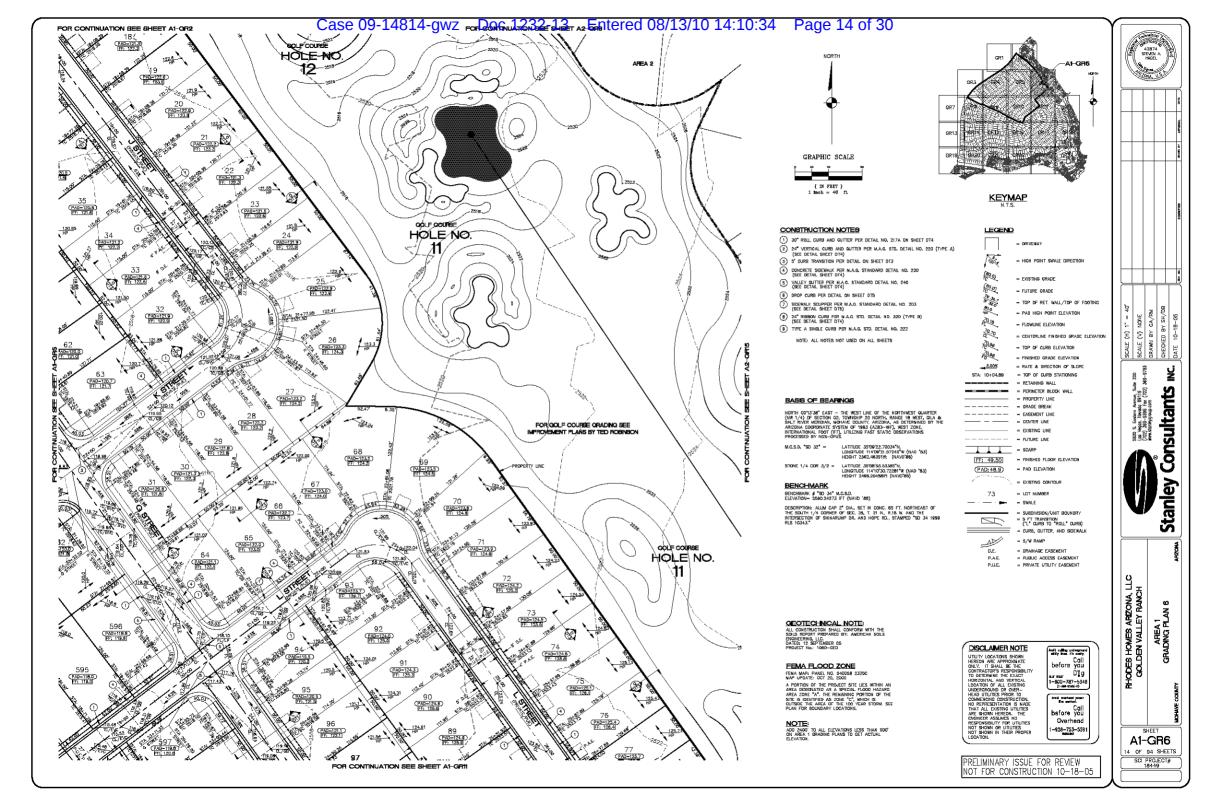
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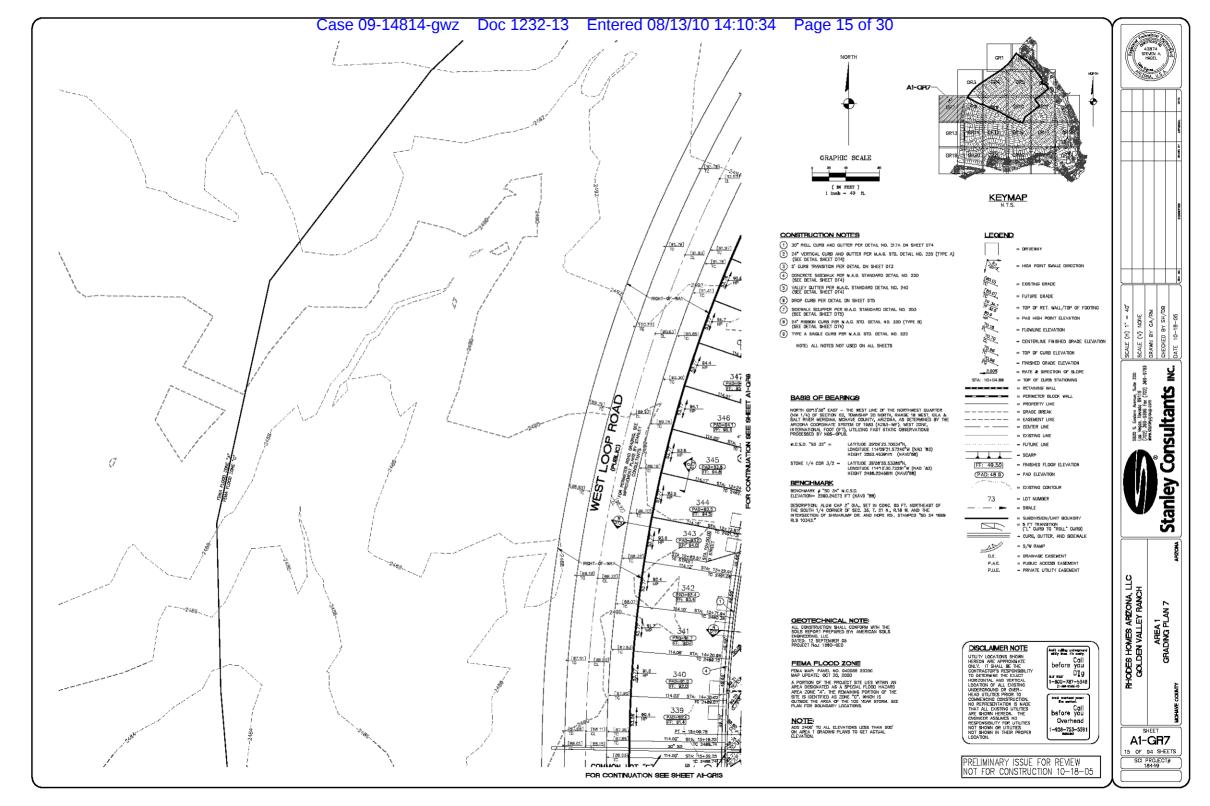
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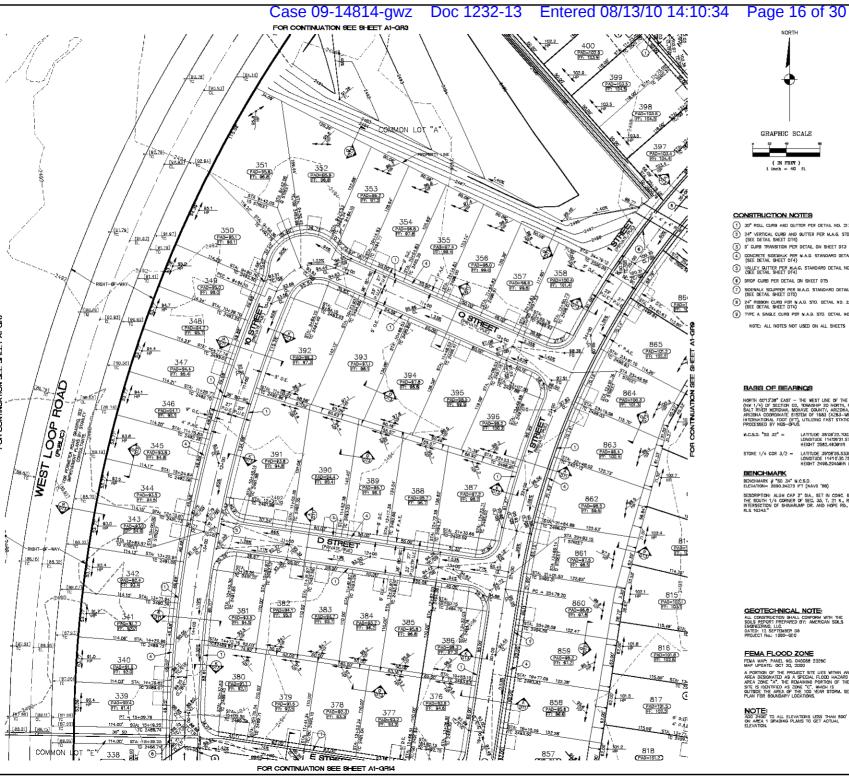
PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05 [€ 8 8 Consultants Stanley

ODES HOMES ARIZONA, L GOLDEN VALLEY RANCH

A1-GR5 13 OF 94 SHEETS

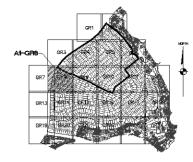








Page 16 of 30



KEYMAP N.T.S.

CONSTRUCTION NOTES

(IN FRET) 1 inch = 40

- (1) 30" ROLL CURB AND GUTTER PER DETAIL NO. 217A DN SHEET DT4
- (2) 24" VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL NO. 220 (TYPE A)
- (4) CONCRETE SIDEWALK PER N.A.G. STANDARD DETAIL ND. 23D (SEE DETAIL SHEET DT4)
- (SEE DETAIL SHEET DT4) yalley GUTTER PER M.A.G. STANDARD DETAIL NO. 240 (6) DROP GURB PER DETAIL DN SHEET DTS
- (SIDEWALK SCUPPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DTS)
- (B) 24" RIBBON CURB PER M.A.G. STD. DETAIL NO. 220 (TYPE B) (SEE DETAIL SHEET DT4)
- (9) TYPE A SINGLE CURB PER N.A.G. STD. DETAIL NO. 222

NOTE: ALL NOTES NOT USED ON ALL SHEETS

BASIS OF BEARINGS

M.C.S.D. "SO 32" = LATITUDE 35'08'22.70034"N, LONGITUDE 114'09'21.57240"W (NAD '83) HEIGHT 2562.48391Ift (NAVD'68)

STONE 1/4 COR 3/2 - LATITUDE 35'08'55.53386'N, LONGITUDE 114'10'30.72281'W (NAD '83)

BENCHMARK

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1981 RES 10343."

LEGEND

= HIGH POINT SWALE DIRECTION

- FUTURE CRANG

- CENTERLINE FINISHED GRADE FLEVATION

= FLOWLINE ELEVATION

= TOP OF CURB ELEVATION

- EMISHED CRADE ELEVATION __2.00% = RATE & DIRECTION OF SLOPE

= GRADE BREAK

= FASEMENT LINE - CENTER LINE = EXISTING LINE

- FUTURE LINE FF: 49.50 - FINISHED FLOOR ELEVATION

(PAD: 48.9)

= SUBDIMSION/UNIT BOUNDRY = 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)

- PRIVATE UTILITY EASEMENT

= S/W RAMP = DRAINAGE EASEMENT D.E. = PUBLIC ADCESS EASEMENT

P.U.E.

GEOTECHNICAL NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY: AMERICAN SOILS ENGINEERING, LLC.
DATED: 12 SEPTEMBER DS PROJECT No.: 1080-6E0

FEMA FLOOD ZONE

FEMA MAP: PANEL NO. 040056 23250 MAP UPDATE: OCT 2D, 2000

A PORTION OF THE PROJECT SITE LIES WITHIN AN AFEA PESIGNATED AS A SPECIAL FLOOD HAZARD AREA ZONE "A". THE REMAINING PORTION OF THE SITE IS IDENTIFIED AS ZONE "C", WHICH IS OUTSIDE THE AREA OF THE 100 YEAR STORM, SEE PLAN FOR BOUNDARY LOCATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL TO DETERMINE THE EXACT TO DETERMINE THE EXACT HORZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMERCING CONSTRUCTION. ON REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO REPRESENTATION IS THE ENGINEER ASSUMES NO REPSPONDISHINGTY FOR LITTLE FROMERY OF THE PROPERTY OF TH And culling underground Çal before Óĩg BUT STATE UT G 1-800-787-534 (1-88-5186-11)

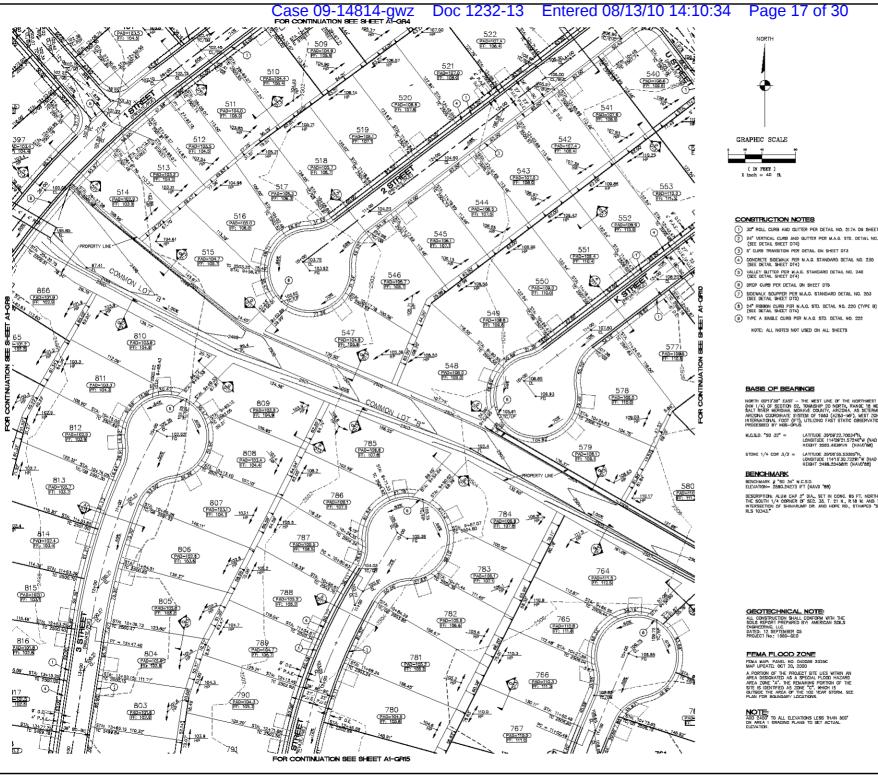
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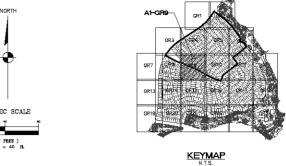
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PHODES HOMES ARZONA, LLC GOLDEN VALLEY RANCH

A1-GR8





- 1) 30" ROLL CURB AND GUTTER PER DETAIL NO. 217A ON SHEET DT4
- (2) 24" VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT4)

WHATH AUTHOR LAST HE WEST LINE OF THE MORTHWEST QUARTER (WW 1/4) OF SECTION OZ, TOWNSHIP ZO NORTH, RANGE 18 WEST, GLIA & SALT RIVER MEDIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA CORDONALE SYSTEM OF 1983 (AZES)—WIP, WEST 2001. INTERNATIONAL FOOT (ITT), UTILIZING FAST STATIC ÖBSERVATIONS PROCESSED BY MOSS—OPUS.

STDNE 1/4 CDR 3/2 = LATITUDE 35'08'55.53385"N, LONGITUDE 114"10"30,72281"W (NAD '83) HEIGHT 2498.20458(ff (NAVD'88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARLIMP DR. AND HOPE RD., STAMPED "3D 34 1939 RES 10343."

LEGEND

= HIGH POINT SWALE DIRECTION

= FUTURE GRADE

= CENTERLINE FINISHED CRAFE FLEVATION = TOP OF CURB ELEVATION

= FINISHED GRADE FLEVATION

- RATE & DIRECTION OF SLOPE

- PERIMETER BLOCK WALL

_____ _ DPARE RREAK ---- = FASEMENT LINE

= CENTER LINE

D.E.

P.U.E.

_2.00%

5TA: 10+04.89

FF: 49.50 = FINISHED FLOOR ELEVATION (PAD: 48.9)

73

- SUBDIVISION/UNIT BOUNDRY - 5 FT TRANSITION ("L DURB TO ROLL DURB)

= S/W RAMP

- DRAINAGE EASEMENT - PUBLIC ACCESS EASEMENT = PRIVATE UTILITY EASEMENT

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY: AMERICAN SOILS

A PORTION OF THE PROJECT SITE LIES WITHIN AN APEA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ZONE "A". THE REMAINING PORTION OF THE SITE IS IDDITIFIED AS ZONE "C", WHICH IS OUTSIDE THE AREA OF THE 100 YEAR STORM, SEE PLAN FOR BOUNDARY LICATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL TO DETERMINE THE EXACT TO DETERMINE THE EXACT HORZONTAL AND VERTICAL LOCATION OF ALL ENSINE UNDERGROUND OR OVER LOCATION OF ALL ENSINE OF ALL ENSINE UNDERGROUND OR OVER LOCATION OF ALL ENSINE UNITED THE ALL ENSINE ALL ENSINC ALL ENS

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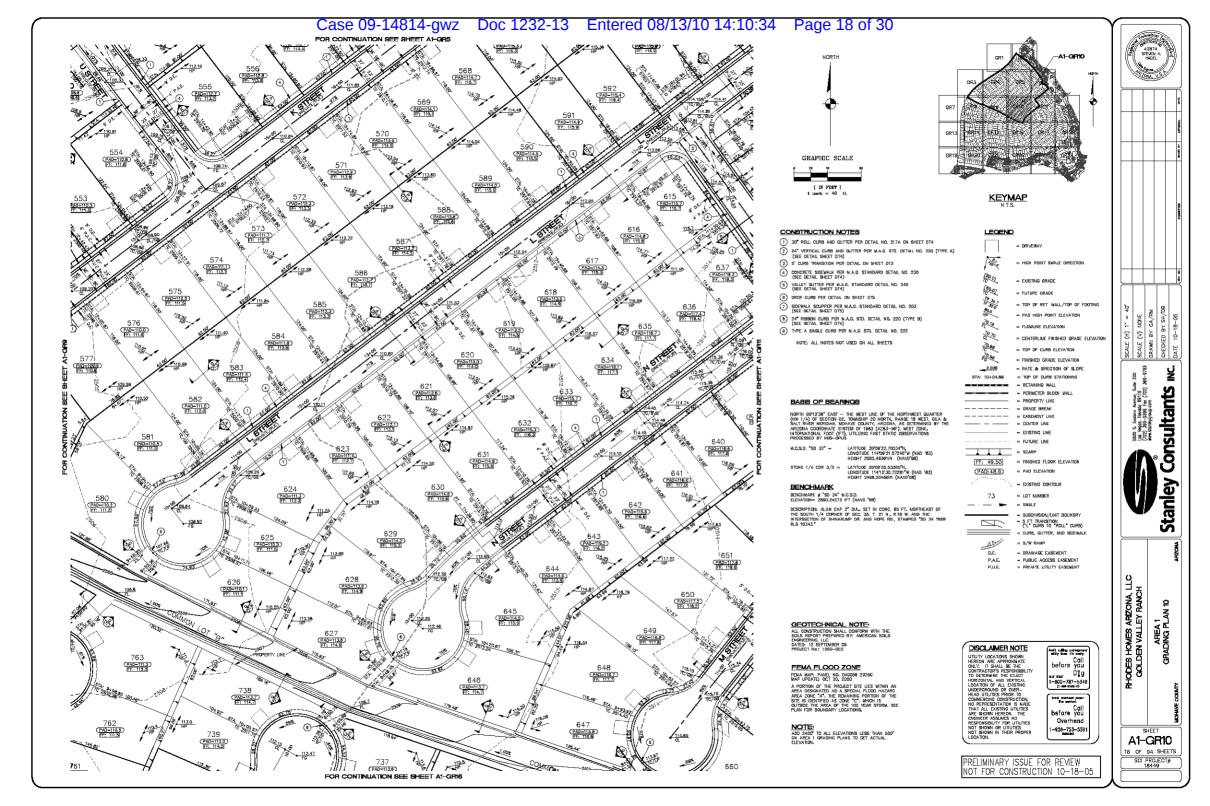
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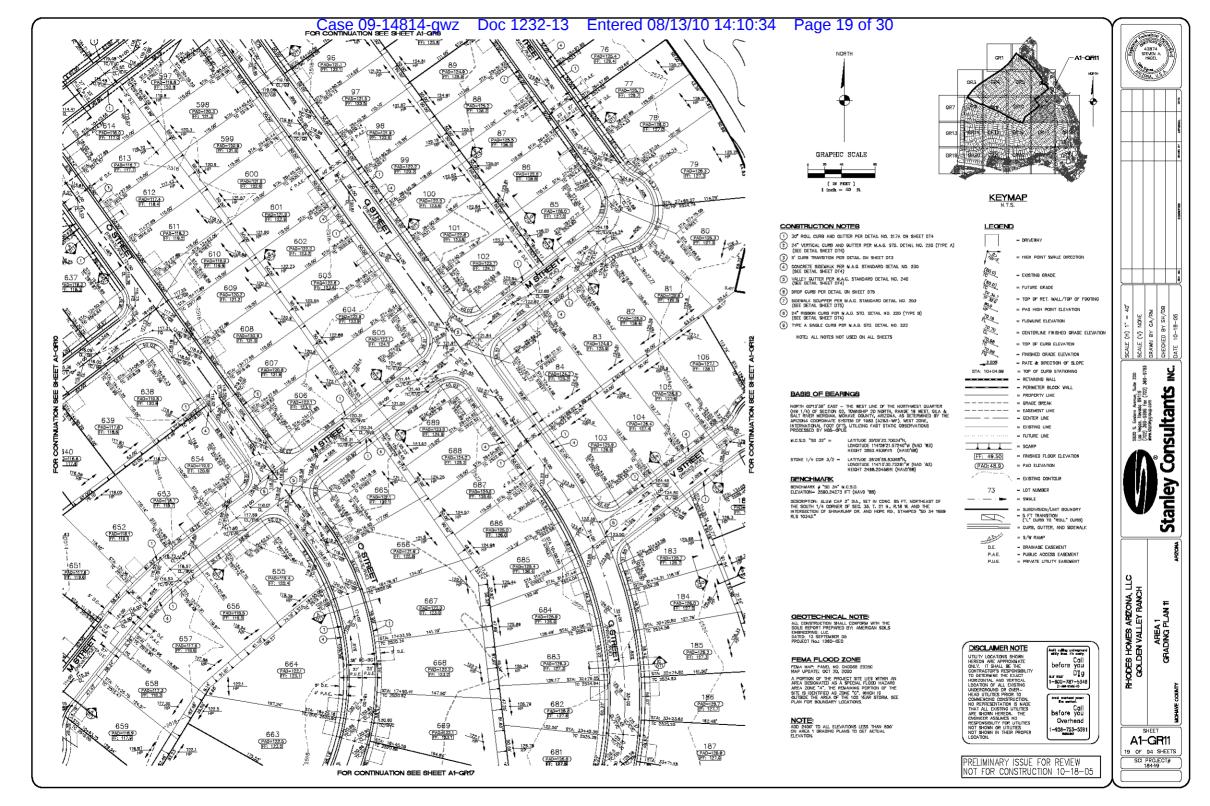
> Consultants Stanley

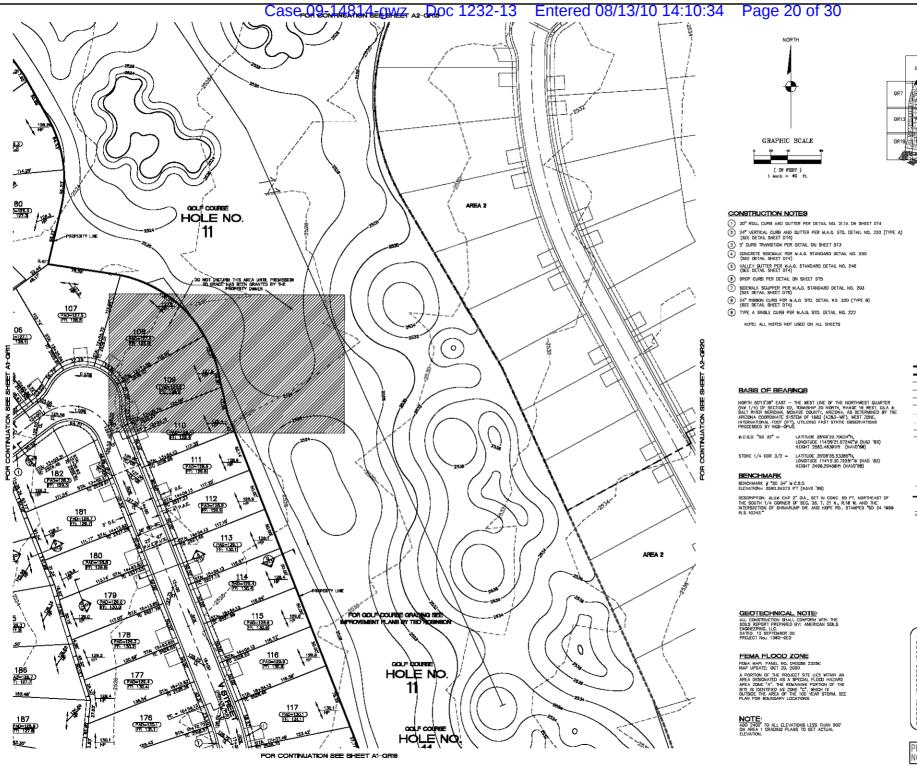
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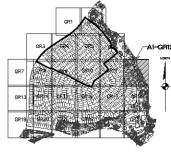
AREA 1 GRADING PLAN 9

A1-GR9









LECEND

- HIGH POINT SWALE DIRECTION = EXISTING GRADE

- FUTURE GRADE

- TOP OF RET. WALL/TOP OF FOOTING - PAD HIGH POINT ELEVATION

- CENTERLINE FINISHED GRADE ELEVATION - TOP OF CURB ELEVATION

- FINISHED GRADE ELEVATION

__200% = RATE & DIRECTION OF SLOPE

STA: 10+04.89 = TOP OF CURB STATIONING

= RETAINING WALL

= PERIMETER BLOCK WALL = PROPERTY LINE

----- - GRADE BREAK

---- = EASEMENT UNE = EXISTING LINE = FUTURE LINE

- SCARP - FINISHED FLOOR ELEVATION

FF: 49.50 (PAD: 48.9) - PAD ELEVATION

= EXISTING CONTOUR

= 5 FT TRANSITION ("L" CURB TO "ROLL" CURB) - CURB, CUTTER, AND SIDEWALK D.E.

- S/W RAME

= PUBLIC ADCESS EASEMENT - PRIVATE UTILITY EASEMENT

DISCLAIMER NOTE

P.A.E.

P.U.E.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBI TO DETERMINE THE EXACT TI DETERMINE THE EXACT HOSPOTHINE AND VERTICAL LOSTING OF ALL ENSING LOSTING OF ALL ENSING HEAD UTILITIES PRIOR TO COMMENCIANO IS MADE THAT ALL ENSING UTILITIES AND ALL EN

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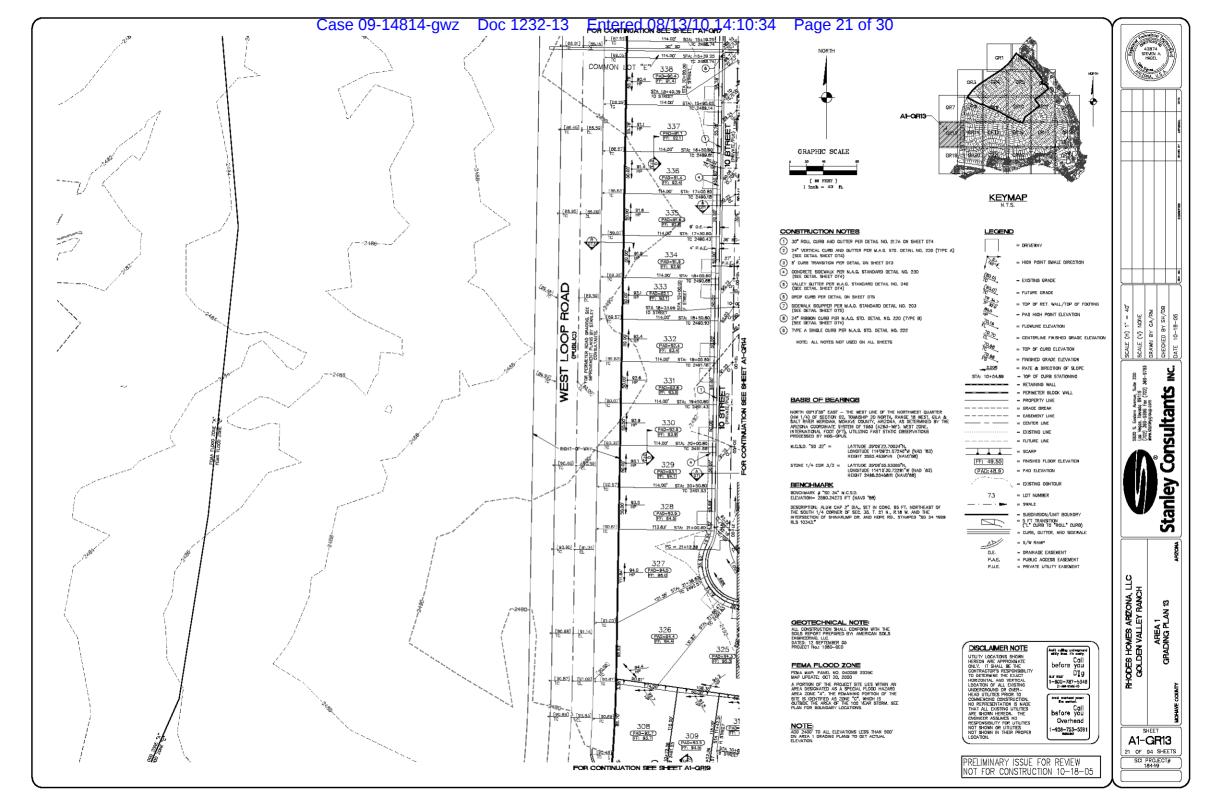
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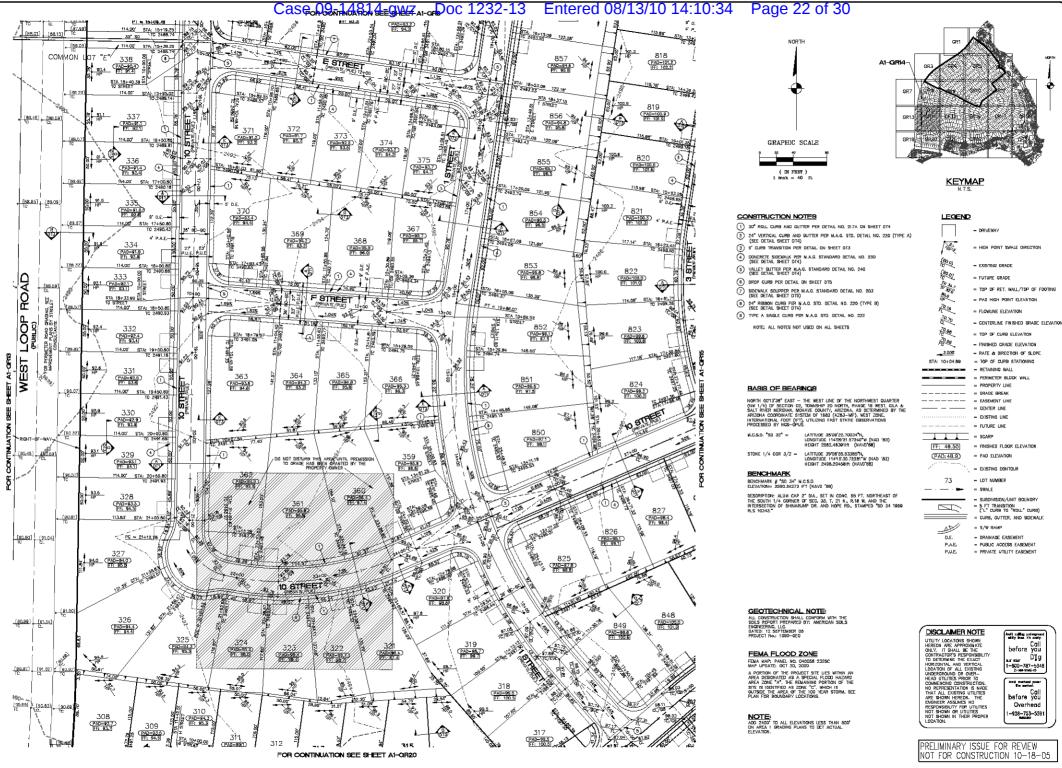
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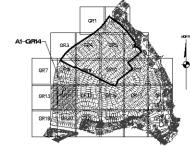
HODES HOMES APIZONA, LLC GOLDEN VALLEY RANCH

AREA 1 GRAD**IN**G PLAN 12

A1-GR12







- 5 FT TRANSITION ("L DURB TO ROLL DURB)

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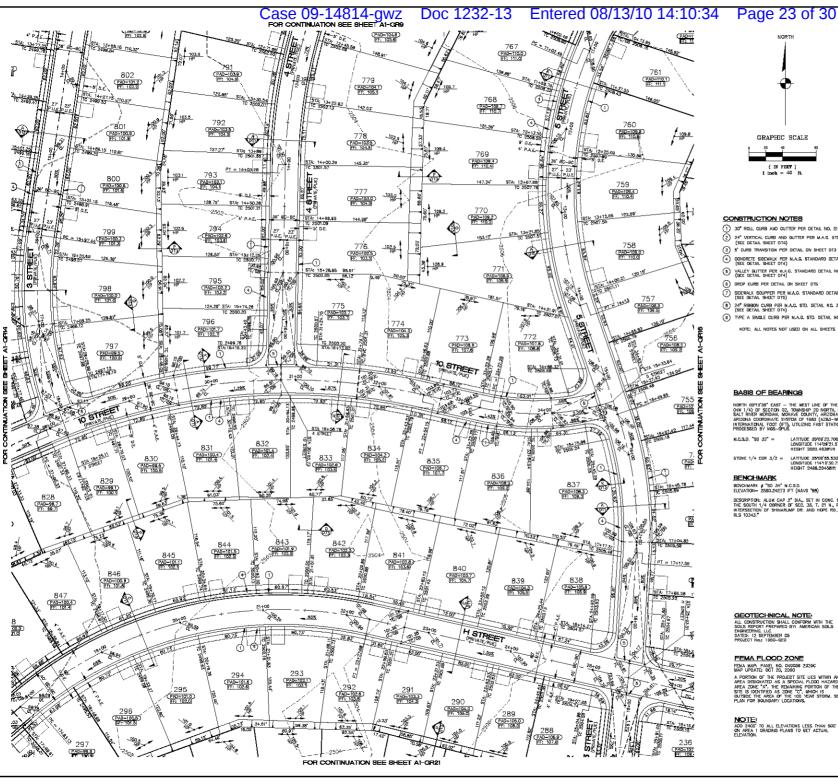
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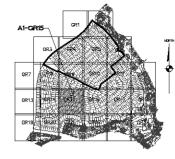
AREA 1 GRADING PLAN 1

ODES HOMES ARIZONA, L GOLDEN VALLEY RANCH

A1-GR14







CONSTRUCTION NOTES

- (1) 30" ROLL CURB AND CUTTER PER DETAIL NO. 217A ON SHEET 0T4
- 2) 24" VERTICAL CURB AND DUTTER PER M.A.G. STO. DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DTA)
- (3) 5' CURB TRANSITION PER DETAIL ON SHEET DT3
- (SEE DETAIL SHEET DT4)
- (SEE DETAIL SHEET DT4)
- SIDEWALK SCUPPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DTS)
- (B) 24" RIBBON CURB PER M.A.C. STD. DETAIL NO. 220 (TYPE B) (SEE DETAIL SHEET DT4)
- B TYPE A SINGLE CURB PER M.A.G. STD. DETAIL NO. 222

NOTE: ALL NOTES NOT USED ON ALL SHEETS

BASIS OF BEARINGS

NORTH COPYS SEAST — THE WEST LINE OF THE NORTHWEST QUARTER (WW 1/4) OF SECTION C2, TOWNSHIP 20 NORTH, RAINCE IS WEST, CLEA & SALT RINER MERIDIAN, MOHAVE COLUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA CONOMIATE SYSTEM OF 1983 (2423—WF), WEST ZOME, INTERNATIONAL, FOOT (IFT.), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY MSS—GOULS.

M.C.S.D. "SD 32" =

LATITUDE 35'09'22,70034"N, LONGITUDE 114'09'21.57240"W (NAD '83) HEIGHT 2582.48391ift (NAVO'88) STONE 1/4 COR 3/2 = LATITUDE 35'08'55.53385'N, LONGITUDE 114'10'30.72281'W (NAD '83) HEIGHT 2498.20468Iff (NAVD'88)

BENCHMARK

BENCHMARK # "SO 34" N.C.S.D. ELEVATION- 2580.24273 FT (NAVD "88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 N. AND THE INTERSECTION OF SHINARLIMP DR. AND HOPE RO., STAMPED 3D 34 1989 RIS 10343."

LEGEND

2.007

- DRIVEWAY

- FXISTING GRADE

= TOP OF RET. WALL/TOP OF FOOTING

- PAD HIGH POINT ELEVATION

- FLOWING FLOWING

= RATE & DIRECTION OF SLOPE - TOP OF CLIRB STATIONING STA: 10+04.69

- RETAINING WALL

- PERIMETER BLOCK WALL

- PROPERTY LINE

= GRADE BREAK

= CENTER LINE

= FLITURE LINE

= FINISHED FLOOR ELEVATION

(PAD: 48.9) = PAD ELEVATION

- SUBDIVISION/LINIT BOUNDRY

- 5 FT TRANSITION ("L DURB TO ROLL DURB) = CURB. GUTTER. AND SIDEWALK

- DRAINAGE EASEMENT

P.A.F. = PUBLIC ACCESS FASEMENT

GEOTECHNICAL NOTEALL CONSTRUCTION SHALL CONFORM WITH THE
SOLS REPORT PREPARED BY: AMERICAN SOLS

FEMA FLOOD ZONE

FEMA MAP: PANEL NO. 040058 23250 MAP UPDATE: OCT 20, 2000

A PORTION OF THE PROJECT SITE LIES WITHIN AN APEA DESIGNATED AS A SPECIAL FLODO HAZARD AREA ZONE "A". THE REAMMINE PORTION OF THE SITE IS IDENTIFIED AS ZONE "C", WHICH IS CHAPLE THE REAL PROJECT HE AREA OF THE 100 YEAR STORM, SEE PLEN FOR BOUNDARY LOCATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL TO DETERMINE THE EXACT HORZONTA. AND VERTICAL PURPORTANTA OF THE PROPERTY OF T

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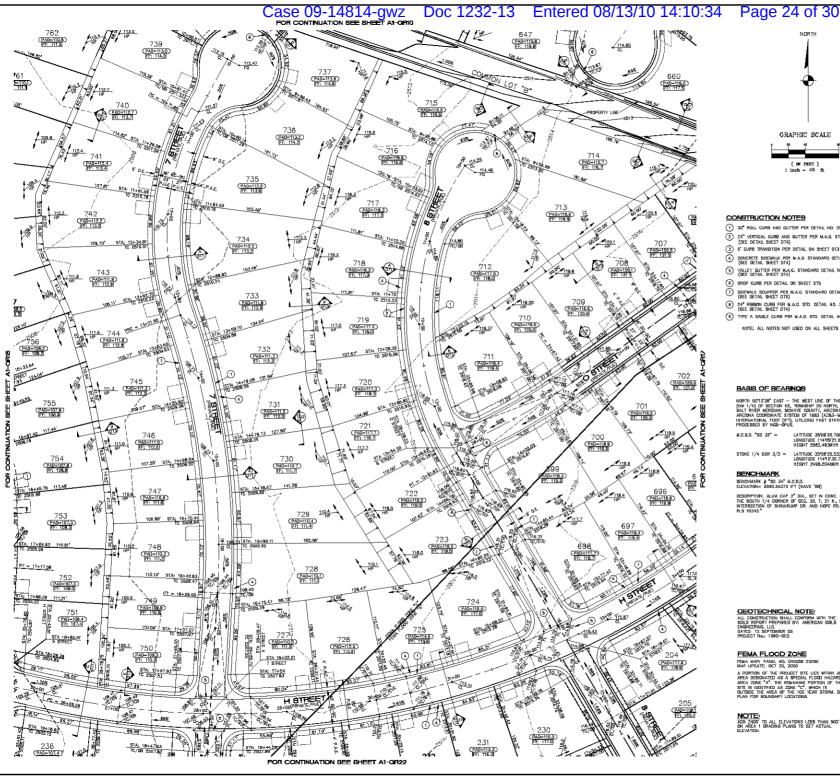
PRELIMINARY ISSUE FOR REVIEW NOT FOR CONSTRUCTION 10-18-05 [≘| 8 8

> Consultants Stanley

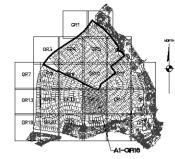
> > AREA 1 GRADING PLAN 1

HODES HOMES ARIZONA, L GOLDEN VALLEY RANCH

A1-GR15







- (1) 30° ROLL CURB AND GUTTER PER DETAIL NO. 217A DN SHEET 0T4
- 2 24 VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT4)
- 3 5 CURB TRANSITION PER DETAIL ON SHEET DT3
- (4) CONCRETE SIDEWALK PER M.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET DT4)
- (SEE DETAIL SHEET DT4)

 VALLEY CUTTER PER M.A.G. STANDARD DETAIL NG. 240
- (B) DROP CURB PER DETAIL ON SHEET DTS
- (SEE DETAIL SHEET DTB)
- (B) 24" RIBBON CURB PER N.A.C. STD. DETAIL NO. 220 (TYPE B) (SEE DETAIL SHEET DT4)
- (9) TYPE A SINGLE CURB PER N.A.G. STD. DETAIL NO. 222

NORTH 0013/38" EAST — THE WEST LINE OF THE NORTHWEST QUARTE (NW 1/4) DF SECTION 02, TOWNSHIP 2D NORTH, RANGE 19 WEST, GILL SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY ARIZONA COOPIDINATE SYSTEM OF 1883 (AZB3-WF), WEST ZONE,

M.C.S.D. "SD 32" -LATITUDE 35 09 22,70034 N LONGITUDE 114'09'21.57240"W (NAD '83) HEIGHT 2582.48391ff (NAVO'88)

STONE 1/4 COR 3/2 = LATITUDE 35'08'55.53385'N, LONGITUDE 114'10'30.72281'W (NAD '83) HEIGHT 2498,20458ift (NAVD'88)

BENCHMARK

DESCRIPTION: ALUM CAP 2" DIA, SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD. STAMPED "SD 34 19: RLS 10343."

LEGEND

= FUTURE GRADE

- CENTERLINE FINISHED GRADE ELEVATION

- FINISHED GRADE FLEVATION

2.00% - RATE & DIRECTION OF SLOPE STA: 10+04.89

- 000000077 1110

= CRADE BREAK

= EASEMENT LINE - CENTER LINE

= EXISTING LINE

- FUTURE LINE

FF: 49.50 = FINISHED FLOOR ELEVATION

(PAD: 48.9)

- SWALE

- 5 FT TRANSITION ("L" DURB TO ROLL DURB) - CURB, GUTTER, AND SIDEWALK

= S/W RAMP

_

= DRAINAGE EASEMENT - PUBLIC ACCESS EASEMENT - PRIVATE UTILITY EASEMENT

GEOTECHNICAL NOTE:
ALL CONSTRUCTION SHALL CONFORM WITH THE SOLLS REPORT PREPARED BY: AMERICAN SOLLS ENGINEERING, LLC.
DATED: 12 SEPTEMBER DS
PROJECT NO: 1000-6E0

FEMA FLOOD ZONE

FEMA MAP: PANEL NO. 040058 23250 MAP UPDATE: OCT 20, 2000

A PORTION OF THE PROJECT SITE LIES WITHIN AN AREA DESIGNATED AS A SPECIAL FLOOD HAZARD AREA ZONE "A". THE REVAINING PORTION OF THE SITE IS IDENTIFIED AS ZONE "C", WHICH IS OUTSIDE THE AREA OF THE 100 YEAR STORM, SEE PLAN FOR BOUNDARY LOCATIONS.

NOTE:
ADD 2400' TO ALL ELEVATIONS LESS THAN 500'
ON AREA 1 GRADING PLANS TO GET ACTUAL
BENATION

DISCLAIMER NOTE

D.E.

P.U.E.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBIL TO DETERMINE THE EXACT TO DETERMINE THE EXACT HORZONTAL AND VERTICAL LOCATION OF ALL ENSINE UNDERGROUND OR OVER LOCATION OF ALL ENSINE OF ALL ENSINE UNDERGROUND OR OVER LOCATION OF ALL ENSINE UNITED THE ALL ENSINE ALL ENSINC ALL ENS And'd culling underground stilly lines. It's coatly. before Óĩg 1-800-787-534 [1-88-5189-11]

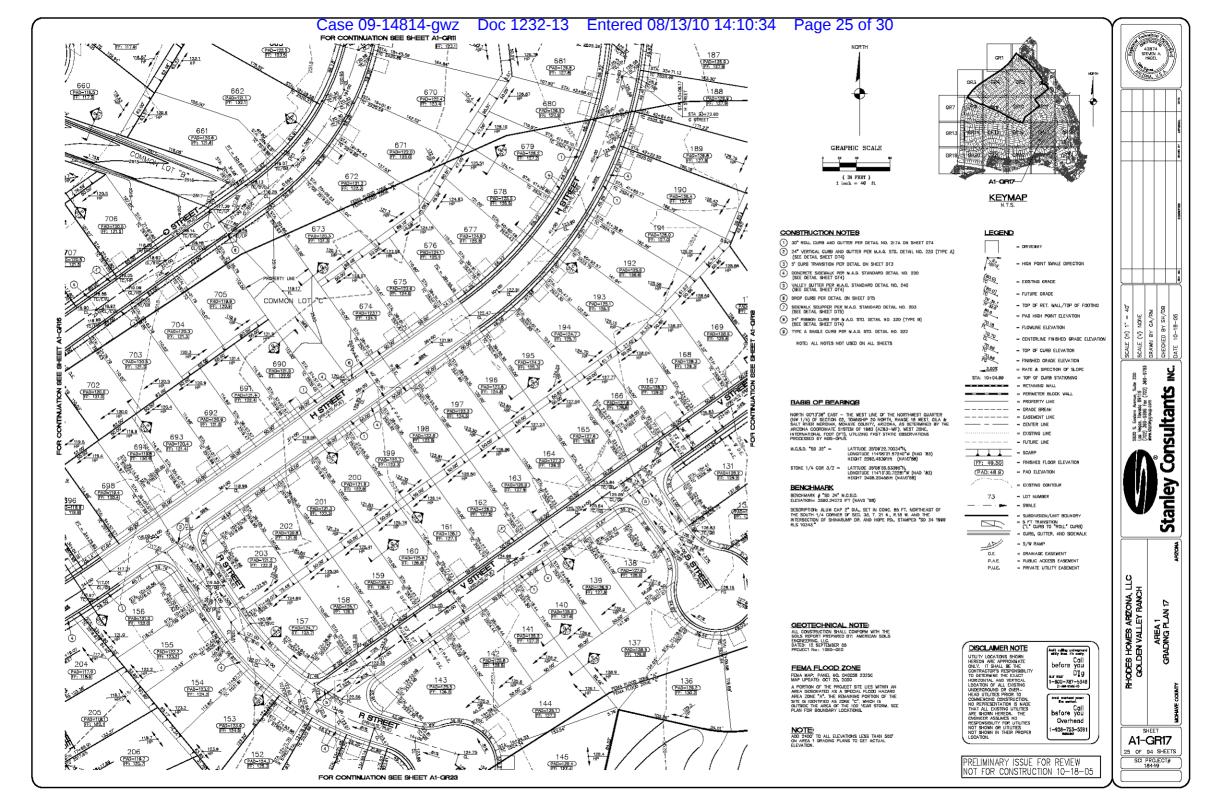
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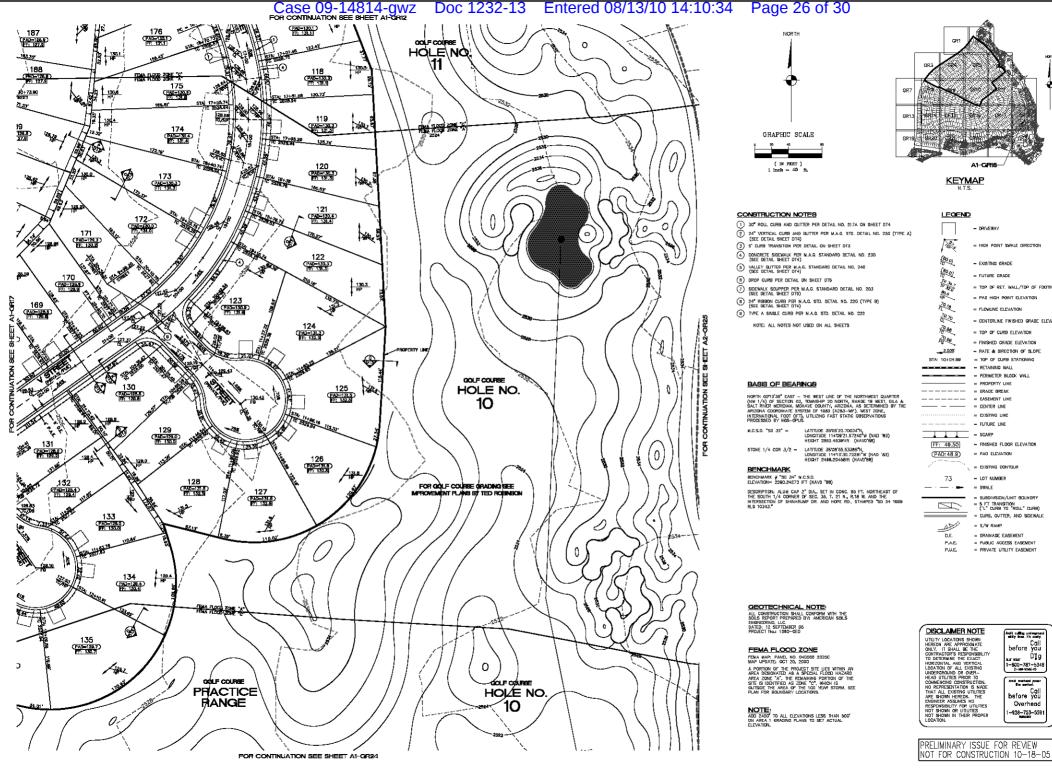
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HODES HOMES ARIZONA, L GOLDEN VALLEY RANCH

A1-GR16





= CENTERLINE FINISHED GRADE ELEVATION

= CURB, GUTTER, AND SIDEWALK

= PUBLIC ACCESS EASEMENT

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Stanley

HODES HOMES ARIZONA, L GOLDEN VALLEY RANCH

A1-GR18

